

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103020\
 Data File : VX019186.D
 Acq On : 29 Oct 2020 12:41
 Operator : JC/MD
 Sample : L4485-12
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-05

Quant Time: Oct 30 08:10:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 30 08:55:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	193503	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	170712	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	82564	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62011	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.70	69	53002	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.34	63	91192	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.56	46	147221	53.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.62%
24) Chloroform-d	5.14	84	117356	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	6.03	65	65265	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	6.04	84	241338	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	7.37	67	68960	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	8.70	98	224477	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.99	79	28290	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	9.43	63	135224	54.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.86%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	51535	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
66) 1,2-Dichlorobenzene-d4	12.36	152	76372	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	4376	0.274	ug/L	98
3) Chloromethane	1.31	50	3946	0.286	ug/L	88
5) Vinyl chloride	1.39	62	4564	0.294	ug/L #	76
6) Bromomethane	1.64	94	2873	0.287	ug/L	96
8) Chloroethane	1.72	64	2648	0.281	ug/L	97
9) Trichlorofluoromethane	1.92	101	6285	0.280	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	4331	0.339	ug/L #	83
12) 1,1-Dichloroethene	2.35	96	4162	0.335	ug/L #	1
13) Acetone	2.46	43	4246	2.722	ug/L	67
14) Carbon disulfide	2.55	76	10233	0.266	ug/L	96
15) Methyl Acetate	2.76	43	1243	0.299	ug/L	91
16) Methylene chloride	2.83	84	5754	0.389	ug/L	91
17) Methyl tert-butyl Ether	3.17	73	7921	0.267	ug/L #	94
18) trans-1,2-Dichloroethene	3.14	96	3620	0.277	ug/L	93
19) 1,1-Dichloroethane	3.67	63	5867	0.263	ug/L	98
21) 2-Butanone	4.67	43	7161	2.614	ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	3899	0.280	ug/L	95

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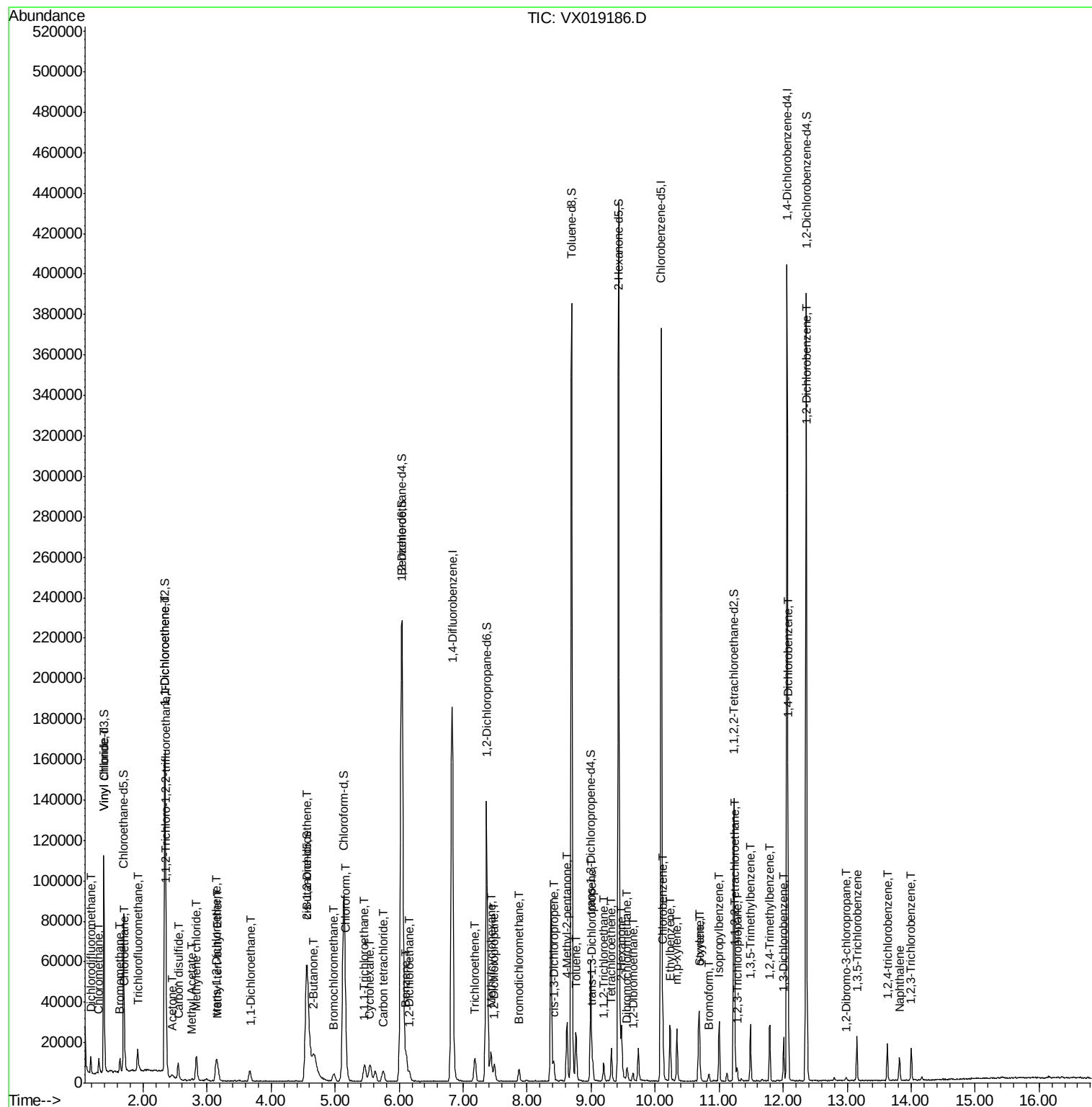
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	1656	0.286	ug/L #	91
25) Chloroform	5.17	83	7288	0.314	ug/L	99
27) 1,2-Dichloroethane	6.17	62	4306	0.296	ug/L #	93
29) 1,1,1-Trichloroethane	5.46	97	5888	0.279	ug/L	97
30) Cyclohexane	5.54	56	5573	0.265	ug/L	96
31) Carbon tetrachloride	5.75	117	4669	0.260	ug/L	99
33) Benzene	6.11	78	14054	0.276	ug/L	100
34) Trichloroethene	7.18	95	3722	0.268	ug/L	90
35) Methylcyclohexane	7.43	83	6259	0.278	ug/L	99
37) 1,2-Dichloropropane	7.49	63	3426	0.286	ug/L #	95
38) Bromodichloromethane	7.88	83	4070	0.261	ug/L #	98
39) cis-1,3-Dichloropropene	8.42	75	4844	0.263	ug/L	90
40) 4-Methyl-2-pentanone	8.62	43	17267	2.698	ug/L #	84
42) Toluene	8.76	91	14956	0.272	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	5395	0.350	ug/L	96
45) 1,1,2-Trichloroethane	9.20	97	2369	0.271	ug/L	93
47) Tetrachloroethene	9.32	164	3111	0.293	ug/L	94
48) 2-Hexanone	9.48	43	13491	3.013	ug/L	98
49) Dibromochloromethane	9.56	129	2663	0.263	ug/L	94
50) 1,2-Dibromoethane	9.65	107	2278	0.281	ug/L #	97
51) Chlorobenzene	10.12	112	9535	0.274	ug/L	96
52) Ethylbenzene	10.23	91	15984	0.260	ug/L	97
53) m,p-xylene	10.34	106	5834	0.247	ug/L	92
54) o-xylene	10.68	106	5727	0.254	ug/L	85
55) Styrene	10.70	104	9201	0.249	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	2912	0.292	ug/L #	90
59) Bromoform	10.84	173	1282	0.237	ug/L #	97
60) Isopropylbenzene	11.00	105	14879	0.245	ug/L	97
61) 1,2,3-Trichloropropane	11.28	75	2075	0.280	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	12685	0.250	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	12214	0.237	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	6856	0.254	ug/L	93
65) 1,4-Dichlorobenzene	12.08	146	6857	0.255	ug/L	90
67) 1,2-Dichlorobenzene	12.37	146	6769	0.273	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.98	75	406	0.240	ug/L	93
69) 1,3,5-Trichlorobenzene	13.15	180	5088	0.257	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	4102	0.238	ug/L	97
71) Naphthalene	13.82	128	6624	0.213	ug/L	98
72) 1,2,3-Trichlorobenzene	14.00	180	3781	0.248	ug/L	94

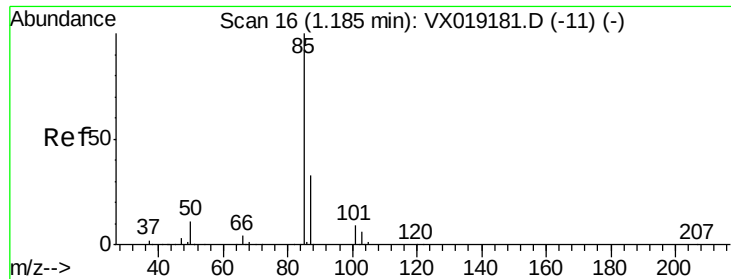
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.274 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

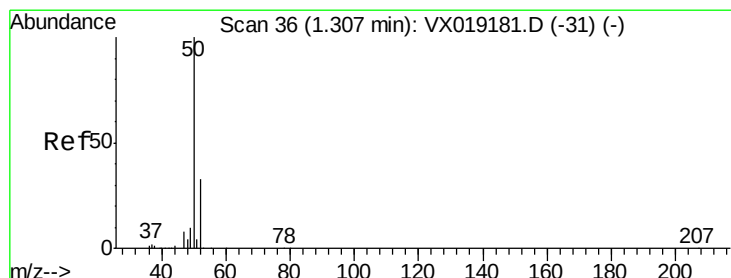
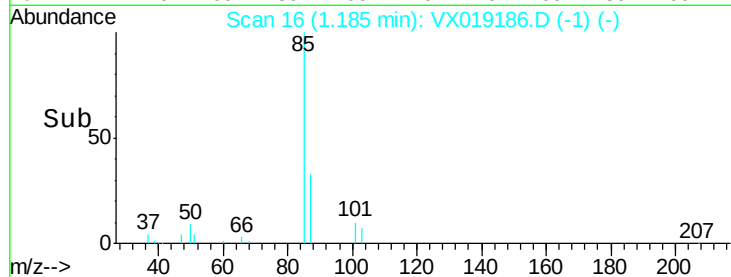
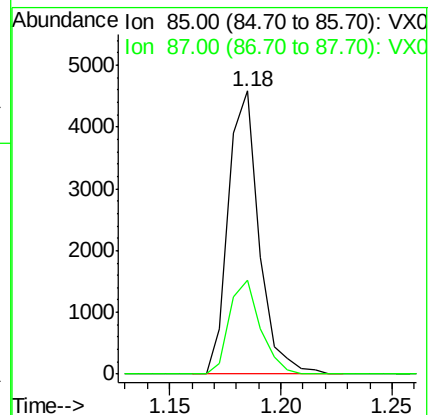
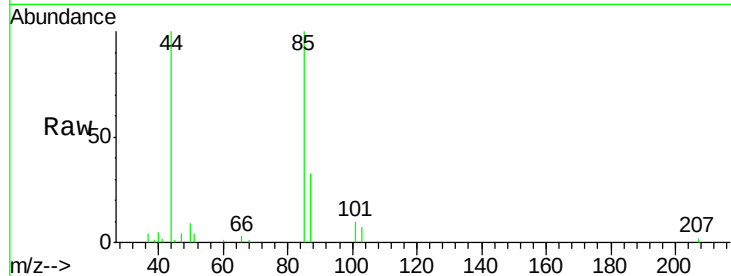
MDL-WATER-05

Tot Ion: 85 Resp: 4376

Ion Ratio Lower Upper

85 100

87 33.7 26.1 39.1



#3

Chloromethane

Concen: 0.286 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX019186.D

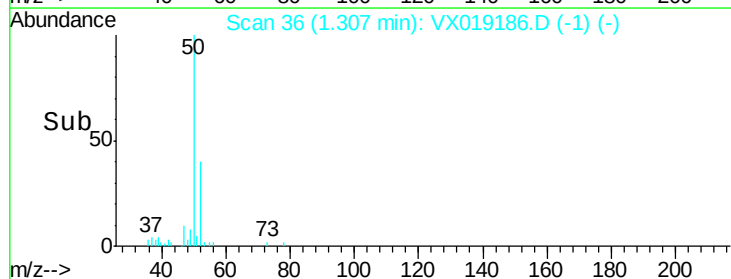
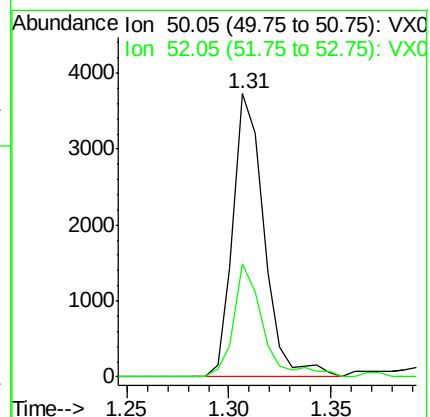
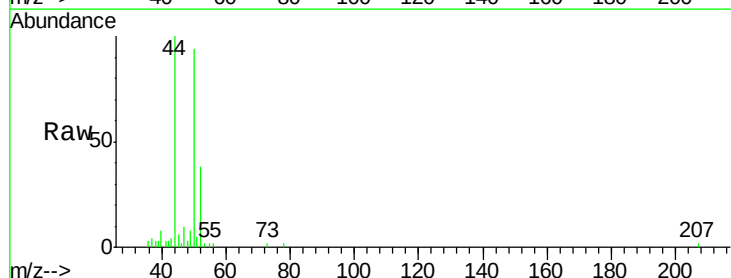
Acq: 29 Oct 2020 12:41

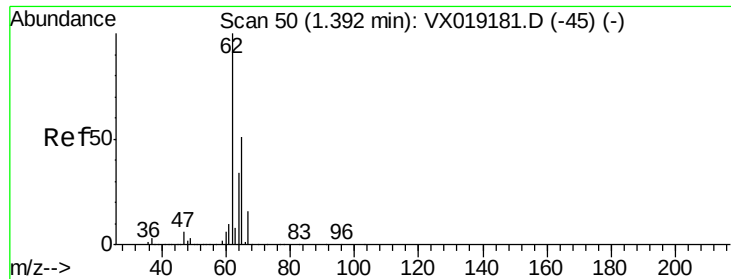
Tgt Ion: 50 Resp: 3946

Ion Ratio Lower Upper

50 100

52 40.1 23.4 43.6





#5

Vinyl chloride

Concen: 0.294 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

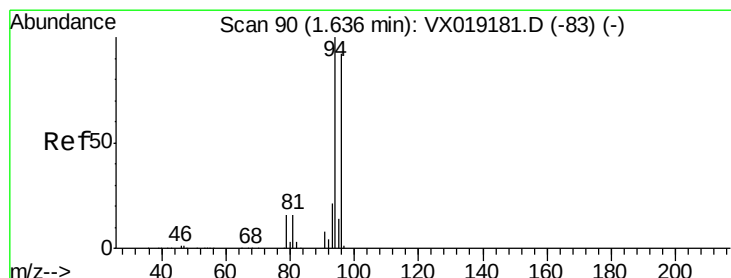
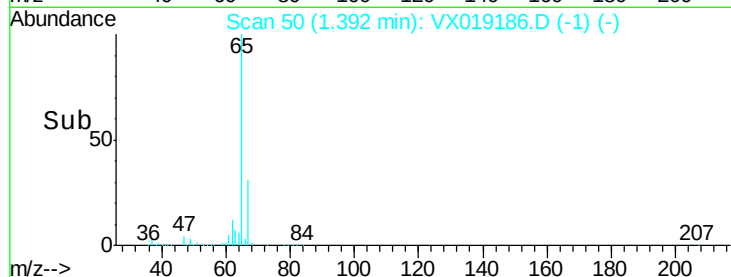
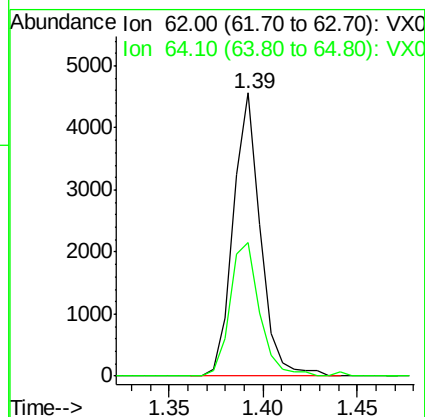
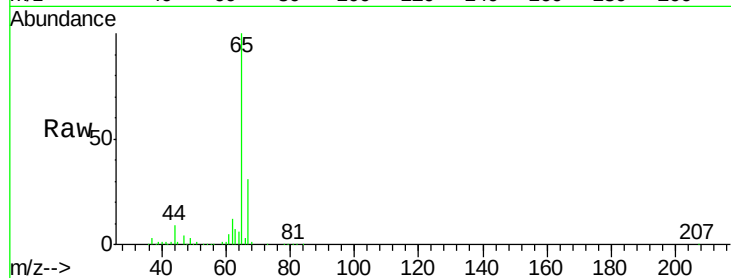
MDL-WATER-05

Tot Ion: 62 Resp: 4564

Ion Ratio Lower Upper

62 100

64 47.4 23.5 43.7#



#6

Bromomethane

Concen: 0.287 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019186.D

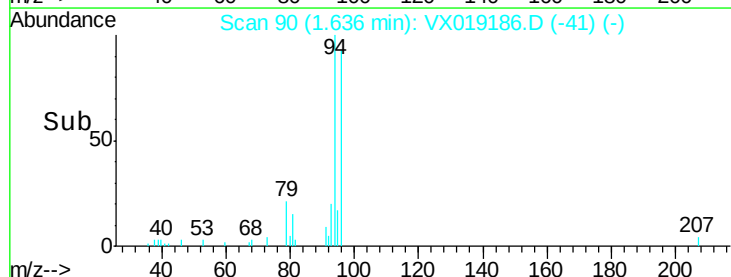
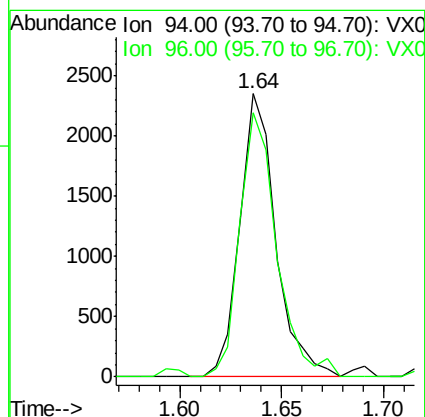
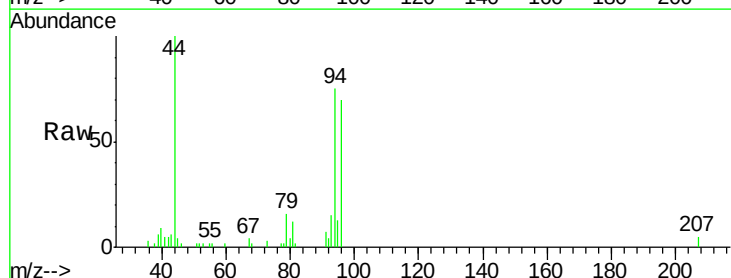
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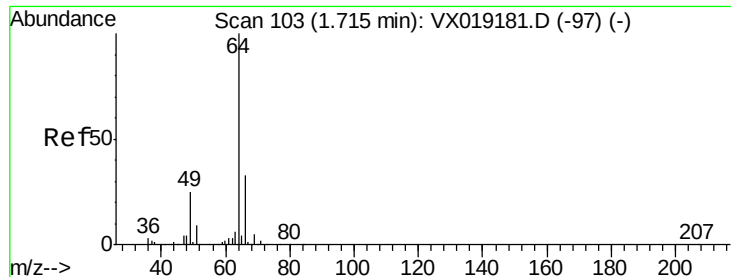
Tgt Ion: 94 Resp: 2873

Ion Ratio Lower Upper

94 100

96 93.3 67.9 126.1

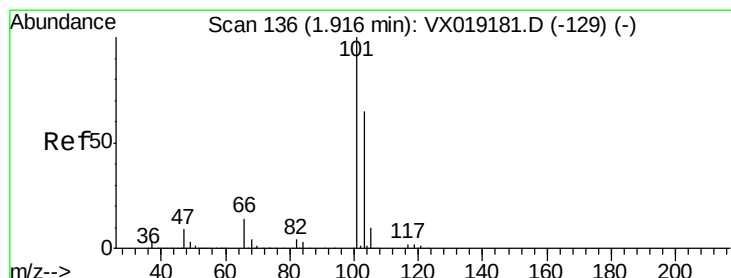
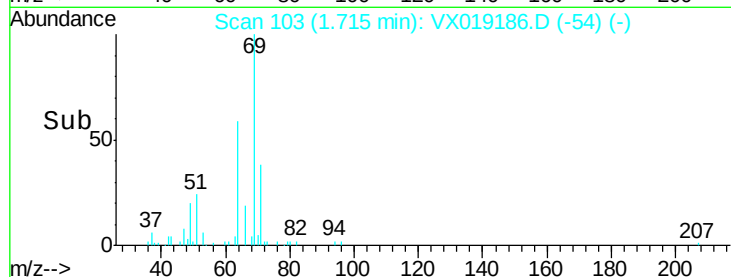
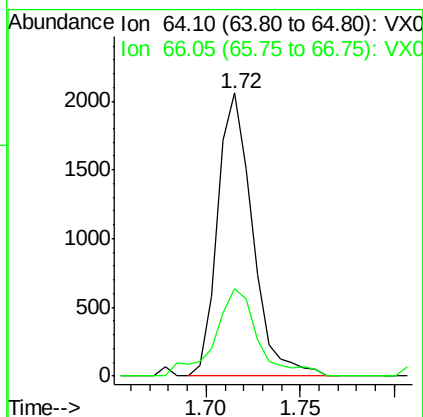
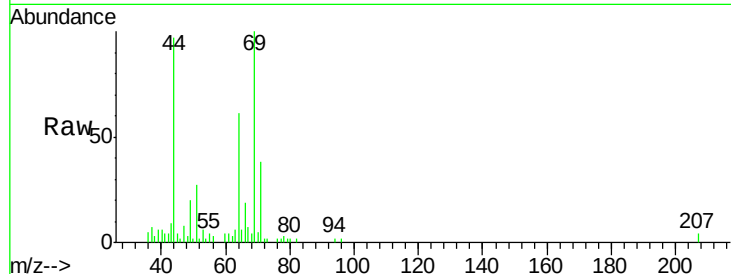




#8
Chloroethane
Concen: 0.281 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

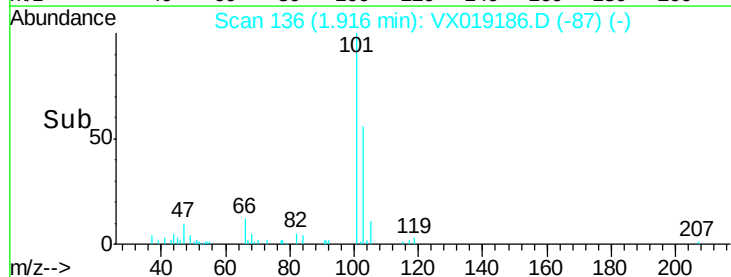
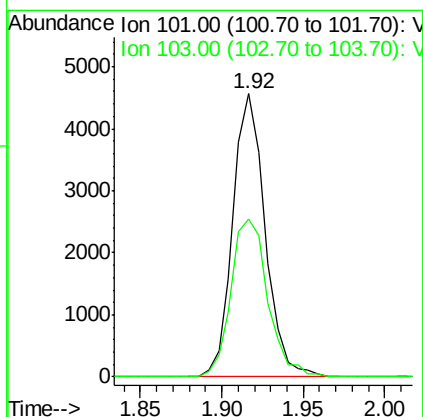
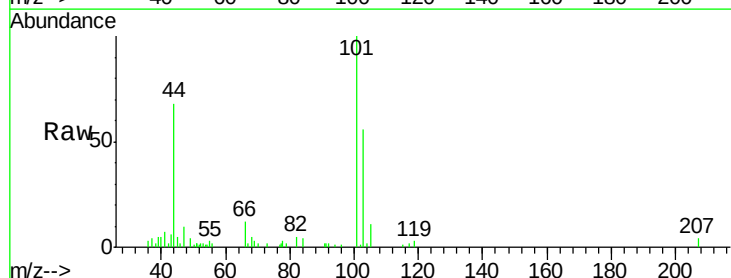
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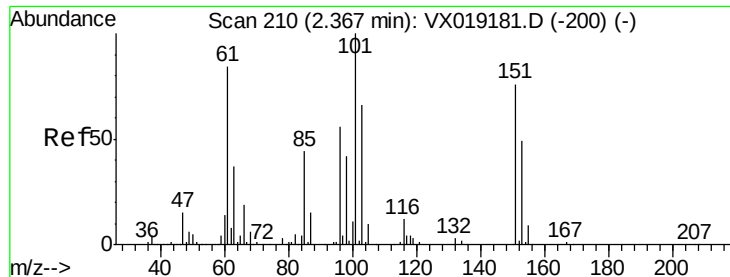
Tot Ion: 64 Resp: 2648
Ion Ratio Lower Upper
64 100
66 30.9 22.7 42.1



#9
Trichlorofluoromethane
Concen: 0.280 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion: 101 Resp: 6285
Ion Ratio Lower Upper
101 100
103 63.7 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.339 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-05

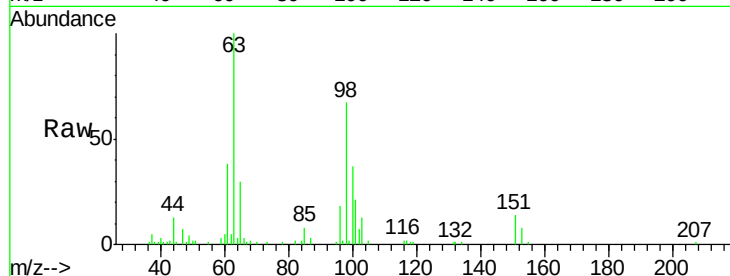
Tot Ion:101 Resp: 4331

Ion Ratio Lower Upper

101 100

85 34.8 35.3 52.9#

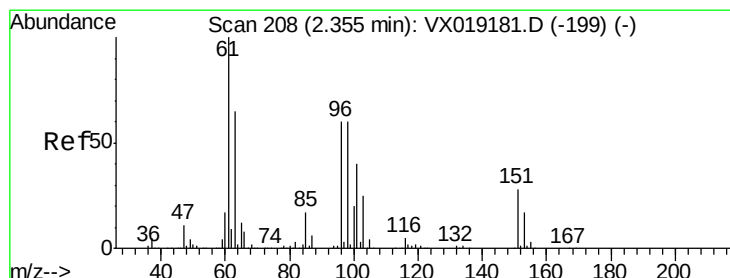
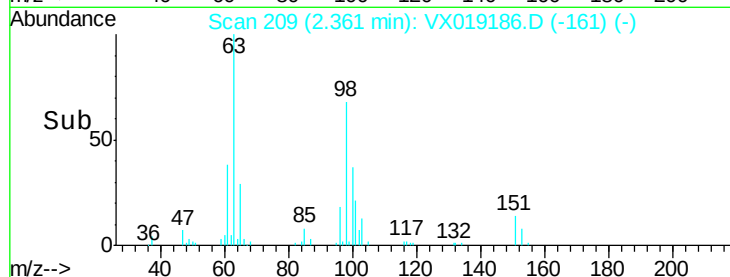
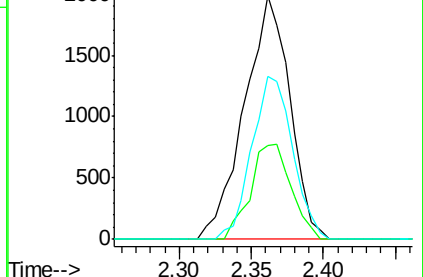
151 60.0 60.9 91.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.335 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

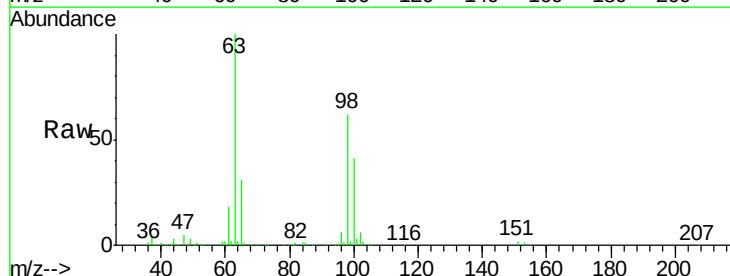
Tgt Ion: 96 Resp: 4162

Ion Ratio Lower Upper

96 100

61 318.9 109.5 203.3#

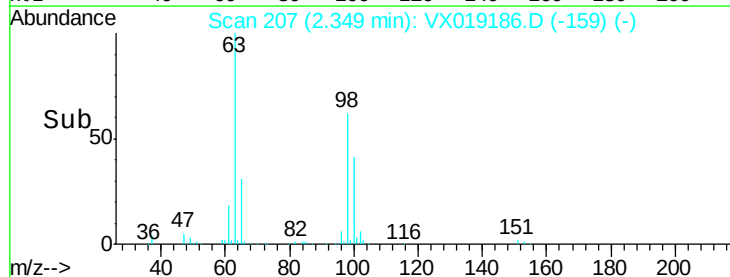
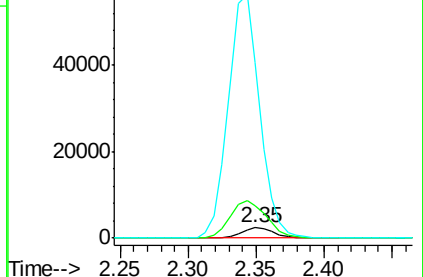
63 1725.6 68.3 126.9#

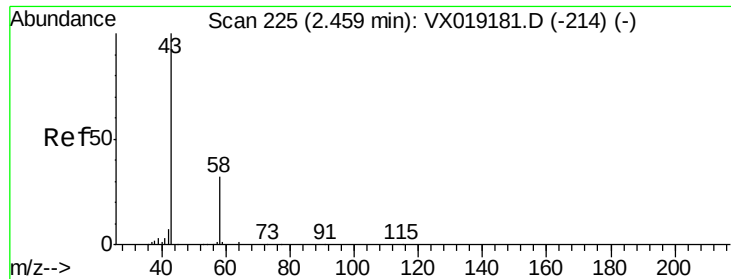


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0

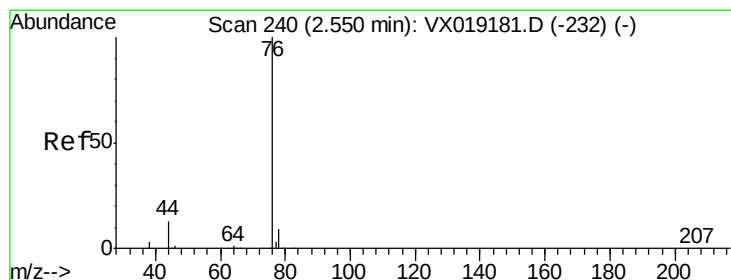
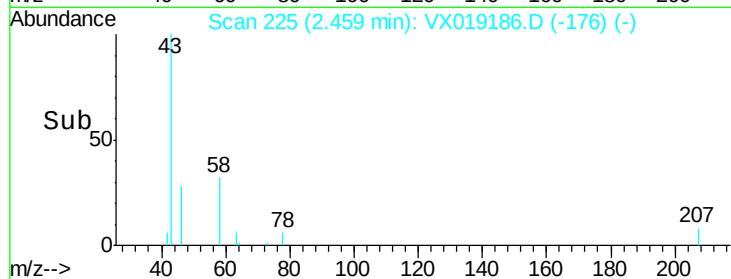
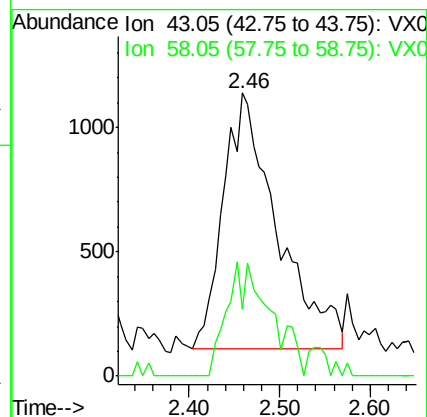
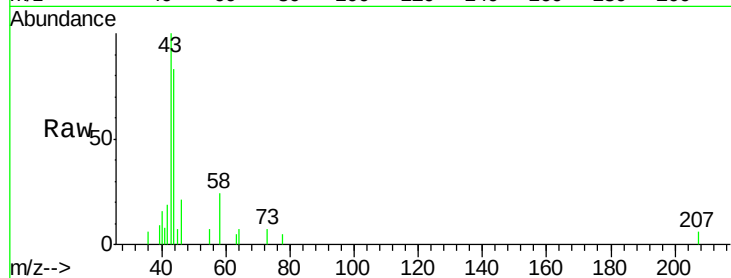




#13
Acetone
Concen: 2.722 ug/L
RT: 2.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: VX019186.D
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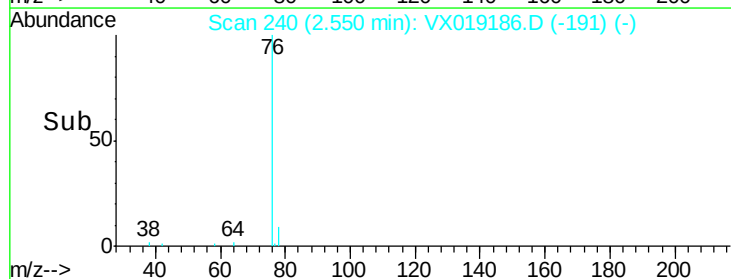
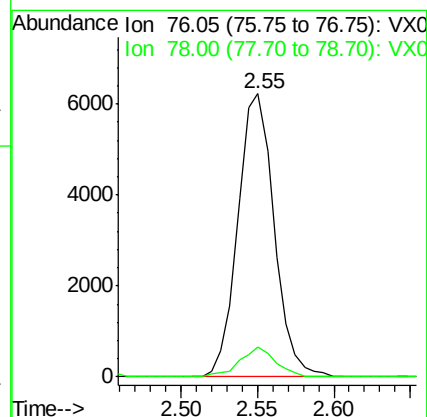
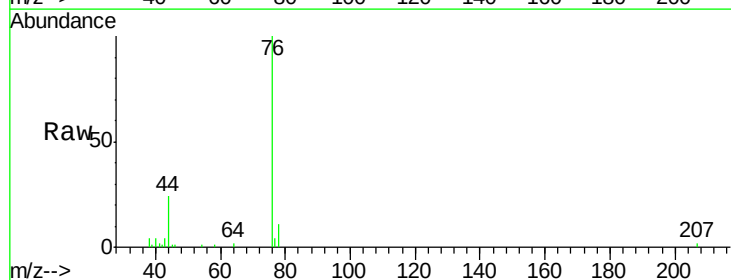
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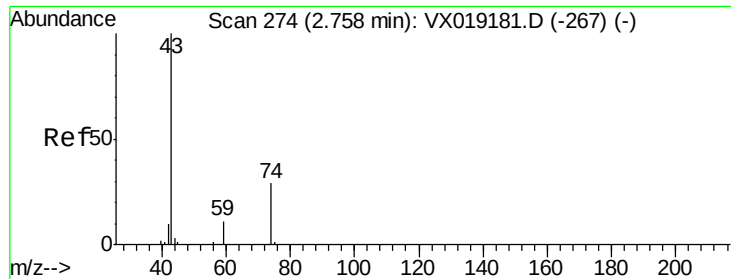
Tot Ion: 43 Resp: 4246
Ion Ratio Lower Upper
43 100
58 13.9 0.0 65.4



#14
Carbon disulfide
Concen: 0.266 ug/L
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion: 76 Resp: 10233
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0

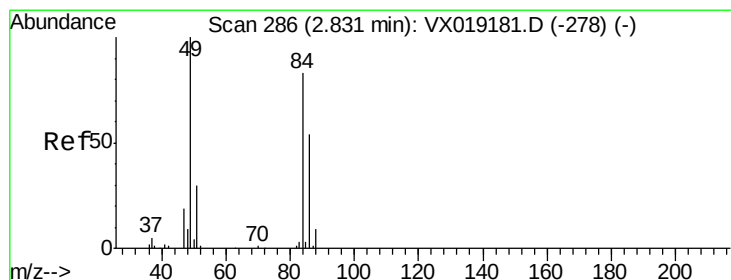
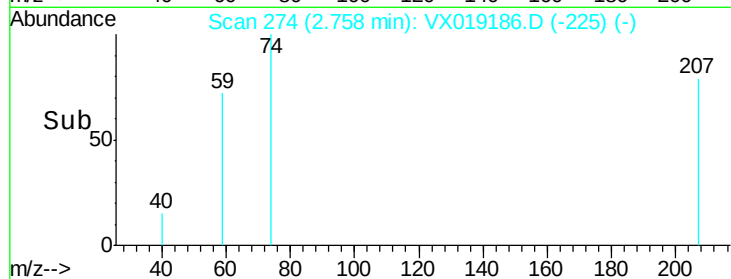
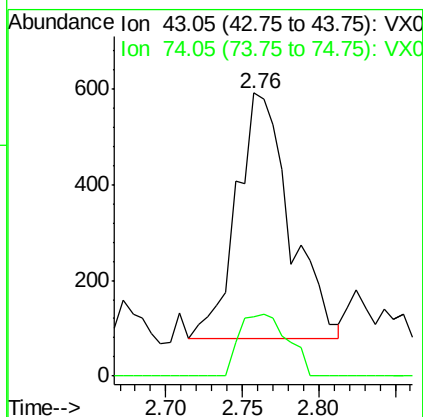
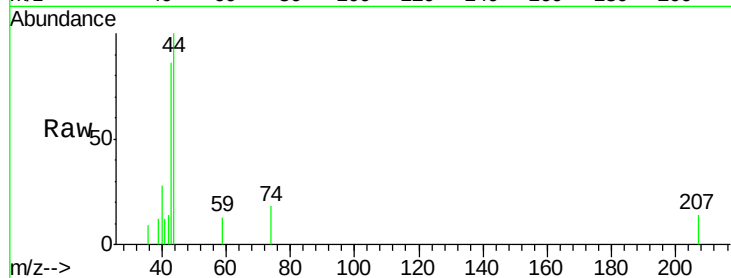




#15
Methvl Acetate
Concen: 0.299 ug/L
RT: 2.76 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

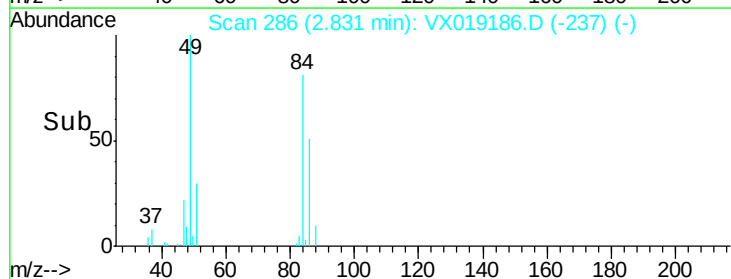
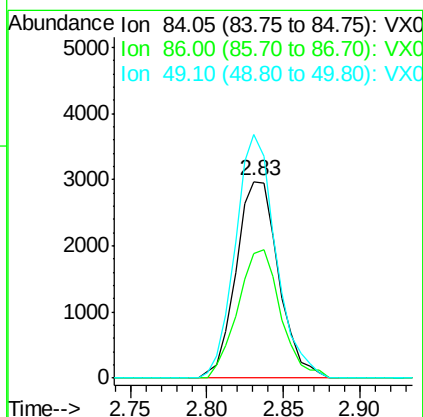
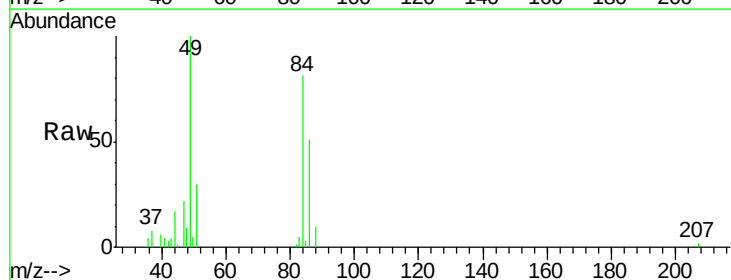
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-05

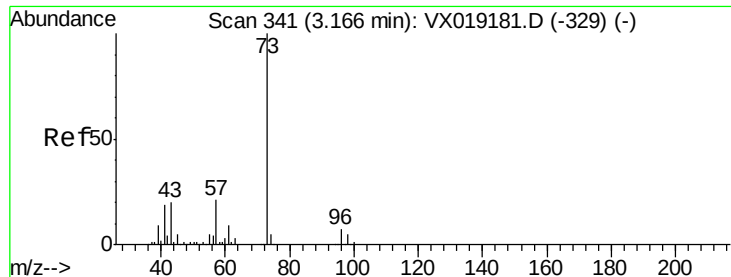
Tot Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
74 22.9 22.3 33.5



#16
Methylene chloride
Concen: 0.389 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion: 84 Resp: 5754
Ion Ratio Lower Upper
84 100
86 63.3 42.2 78.4
49 123.8 77.5 143.9

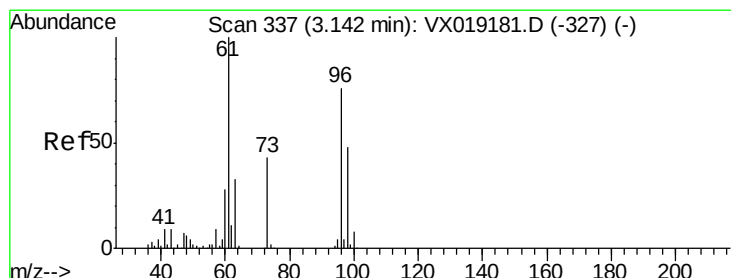
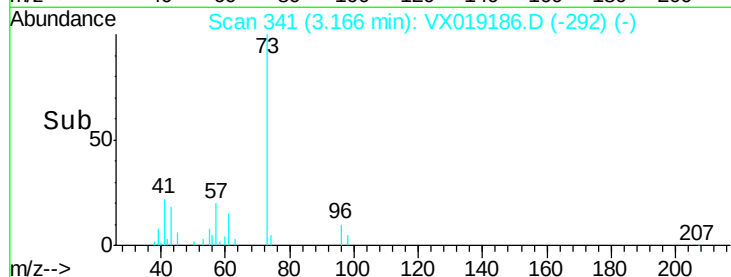
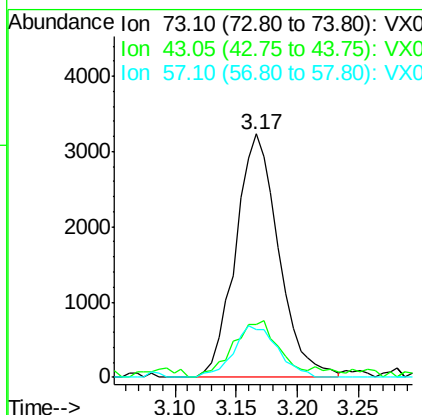
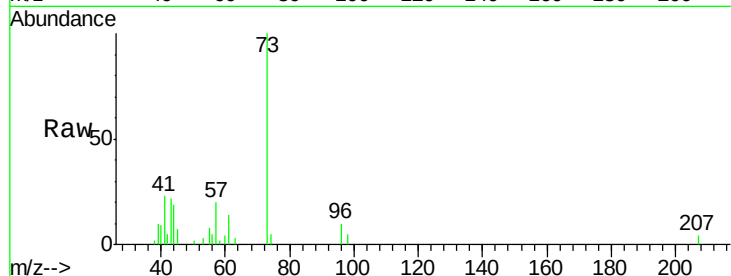




#17
Methyl tert-butyl Ether
Concen: 0.267 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

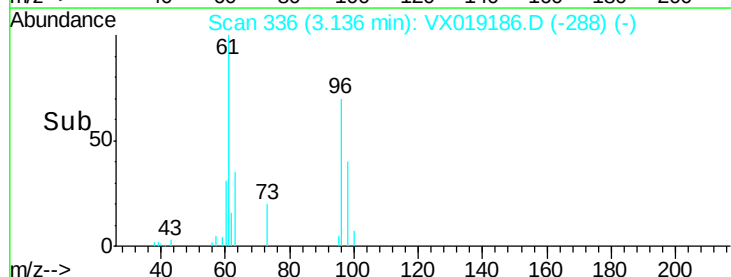
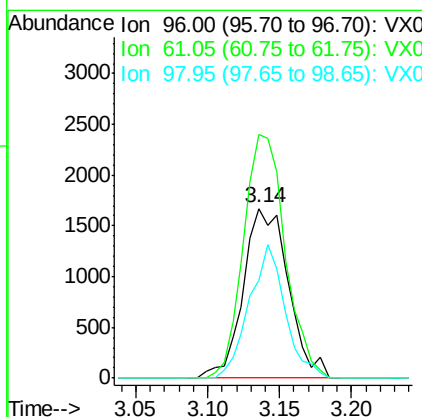
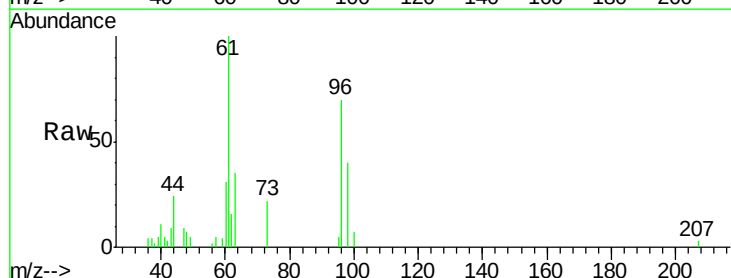
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-05

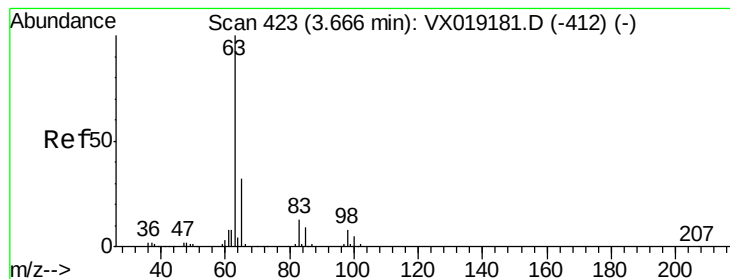
Tot Ion: 73 Resp: 7921
Ion Ratio Lower Upper
73 100
43 24.6 16.1 24.1#
57 21.8 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 0.277 ug/L
RT: 3.14 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion: 96 Resp: 3620
Ion Ratio Lower Upper
96 100
61 143.5 93.7 173.9
98 57.8 42.8 79.6





#19

1,1-Dichloroethane

Concen: 0.263 ug/L

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-05

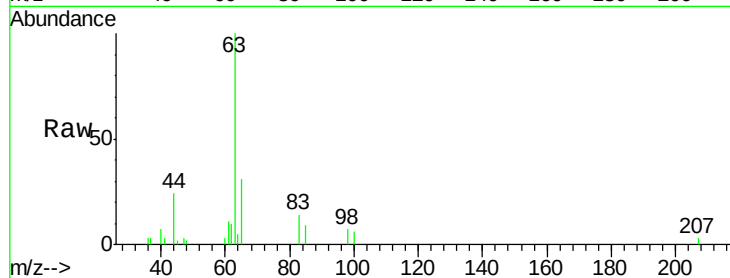
Tot Ion: 63 Resp: 5867

Ion Ratio Lower Upper

63 100

65 30.7 22.5 41.9

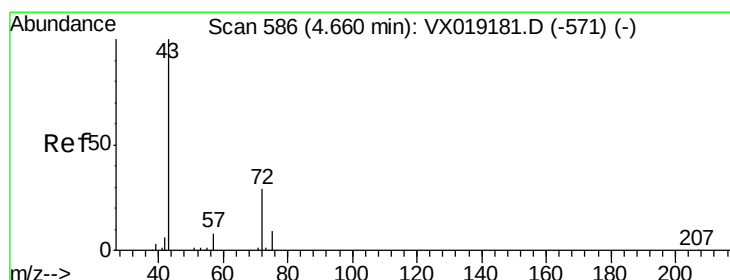
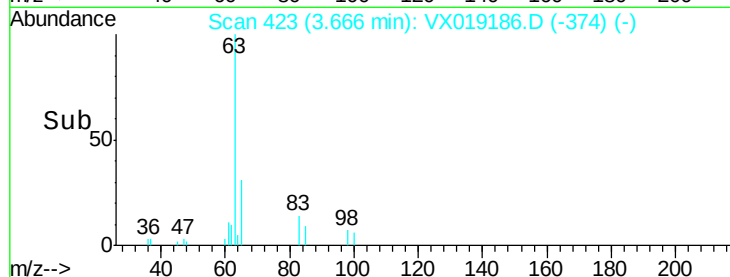
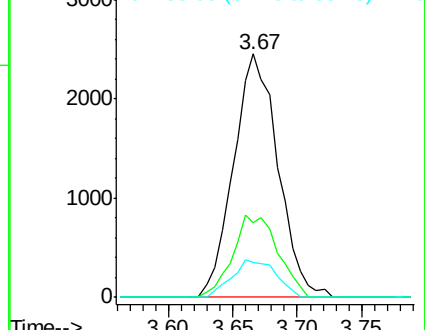
83 14.2 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 65.10 (64.80 to 65.80): VX0

Ion 83.05 (82.75 to 83.75): VX0



#21

2-Butanone

Concen: 2.614 ug/L

RT: 4.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VX019186.D

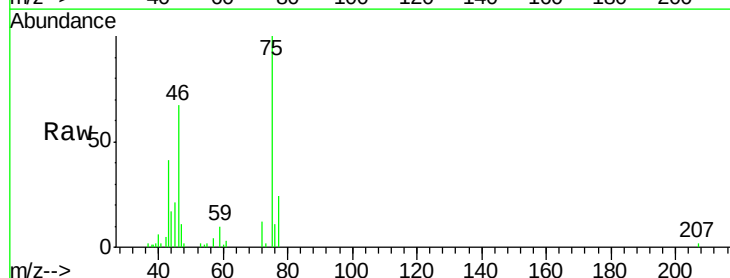
Acq: 29 Oct 2020 12:41

Tgt Ion: 43 Resp: 7161

Ion Ratio Lower Upper

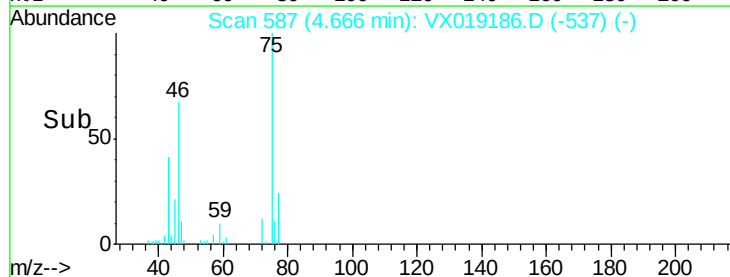
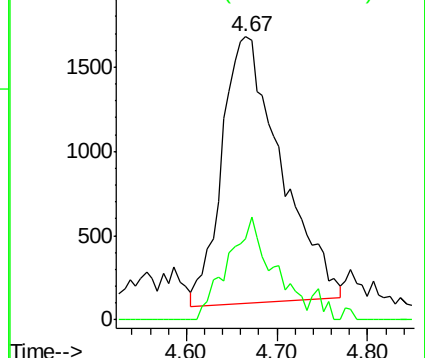
43 100

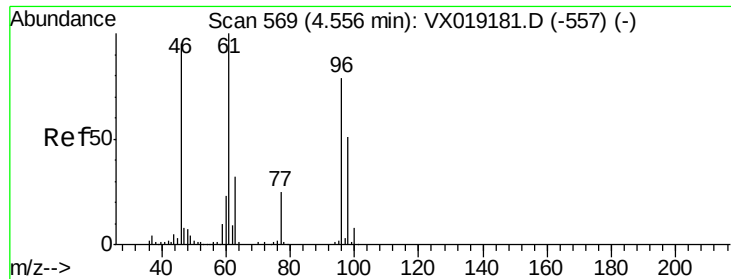
72 29.8 14.4 43.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 72.10 (71.80 to 72.80): VX0



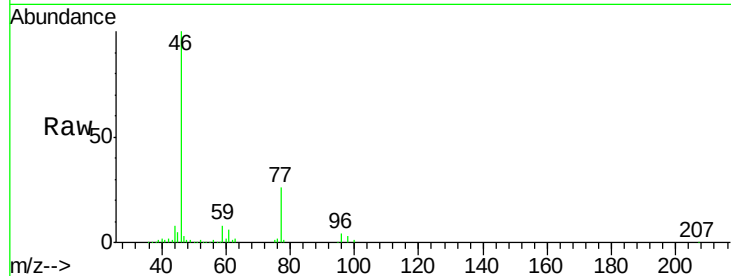


#22

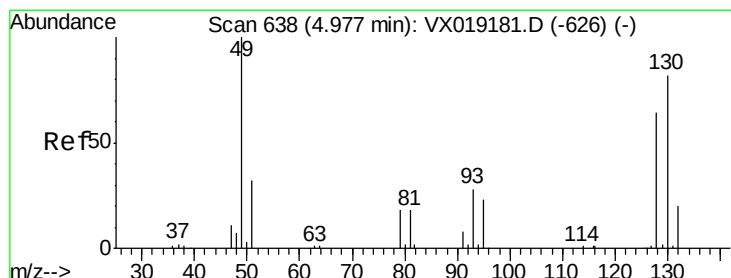
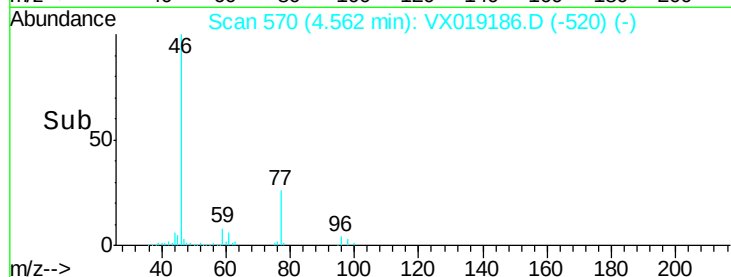
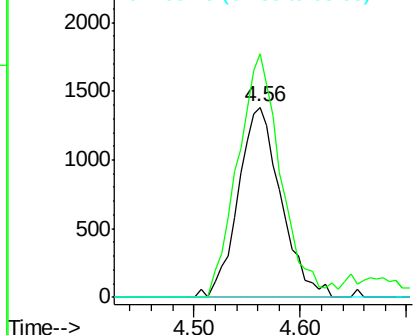
cis-1,2-Dichloroethene
Concen: 0.280 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-05

Tot Ion: 96 Resp: 3899
Ion Ratio Lower Upper
96 100
61 128.0 85.7 159.1
68 0.0 0.0 0.0



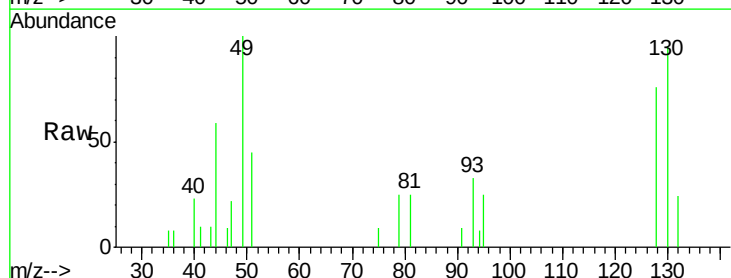
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



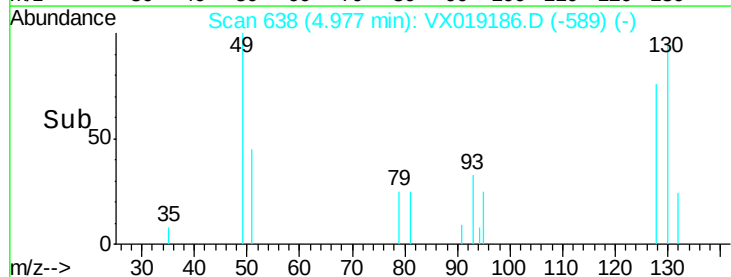
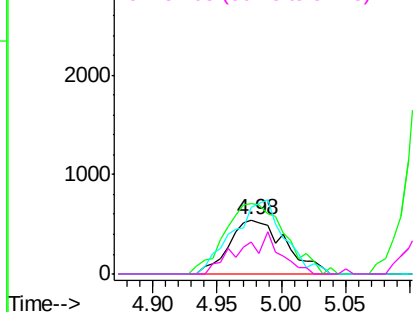
#23

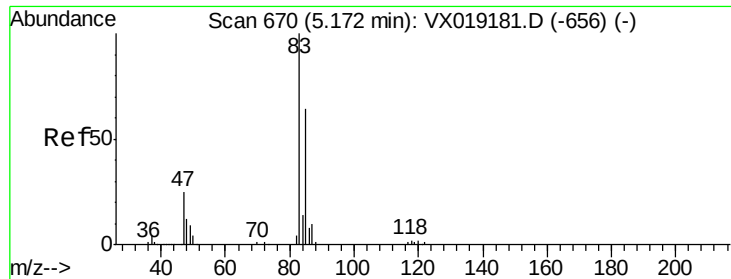
Bromochloromethane
Concen: 0.286 ug/L
RT: 4.98 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion: 128 Resp: 1656
Ion Ratio Lower Upper
128 100
49 131.4 102.8 191.0
130 124.4 86.3 160.3
51 58.9 36.5 54.7#



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VX0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VX0

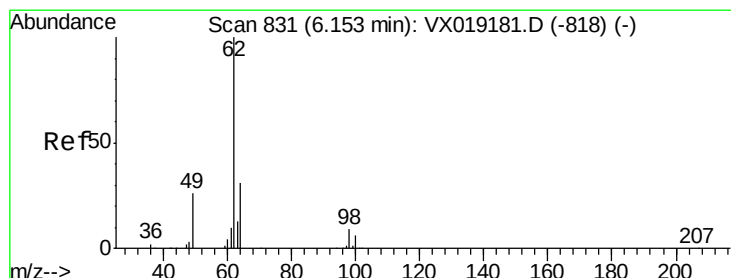
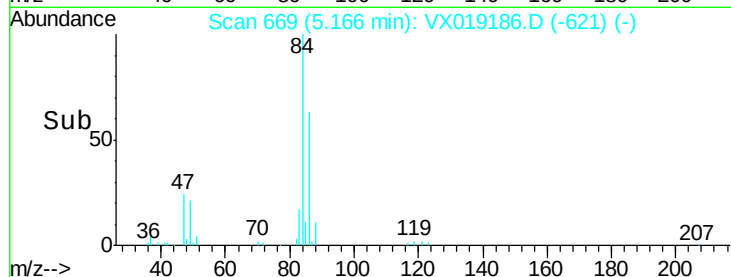
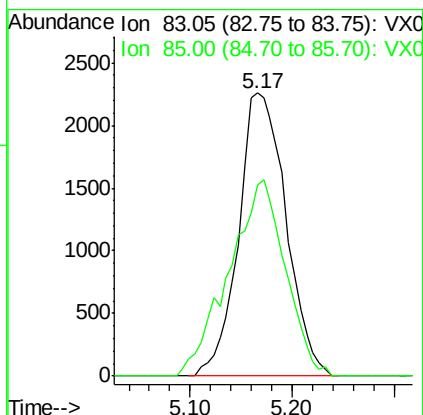
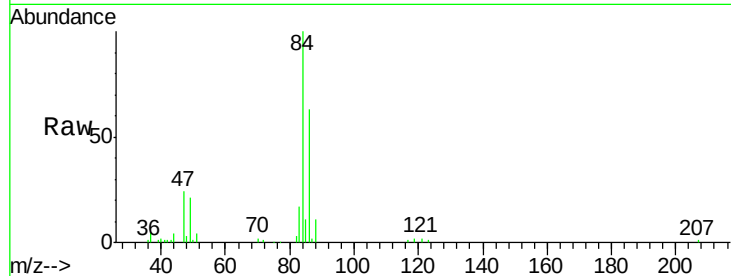




#25
Chloroform
Concen: 0.314 ug/L
RT: 5.17 min Scan# 669
Delta R.T. -0.01 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

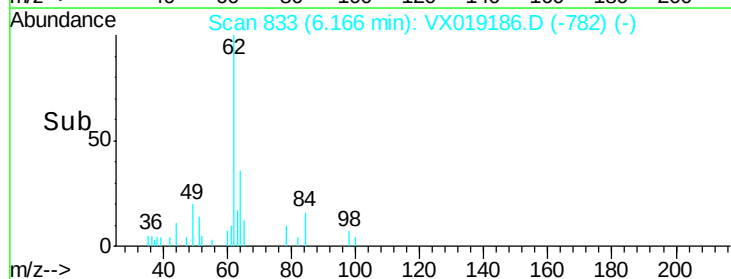
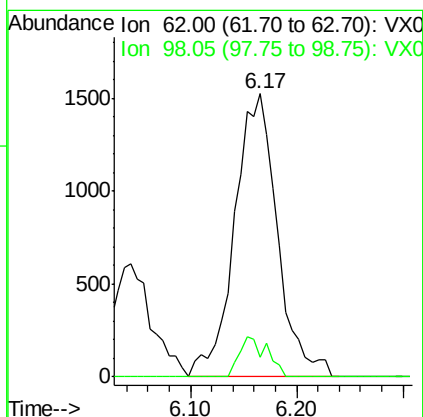
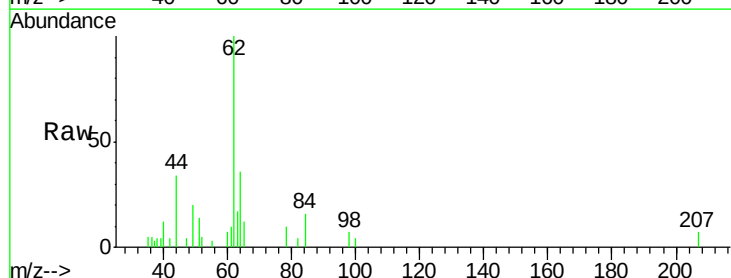
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-05

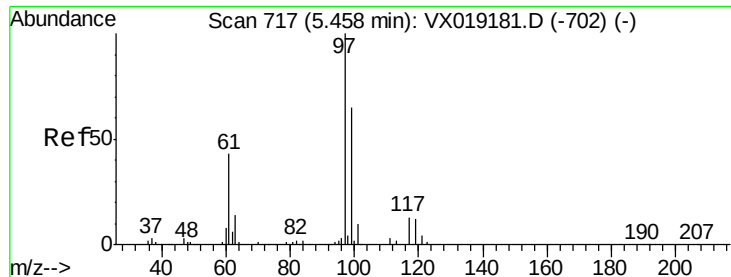
Tot Ion: 83 Resp: 7288
Ion Ratio Lower Upper
83 100
85 67.5 47.6 88.4



#27
1,2-Dichloroethane
Concen: 0.296 ug/L
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion: 62 Resp: 4306
Ion Ratio Lower Upper
62 100
98 6.8 7.4 11.0#

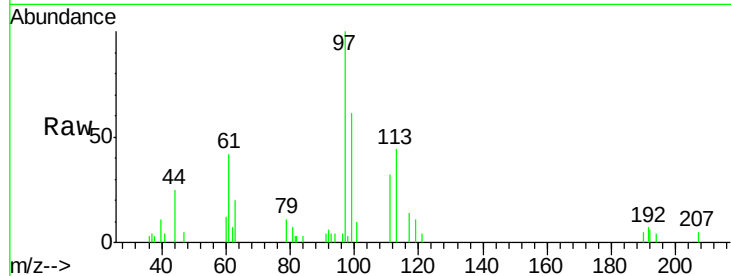




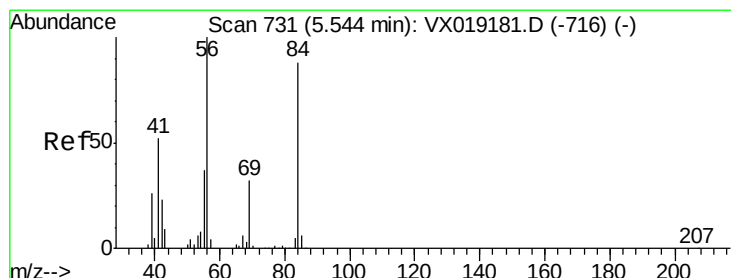
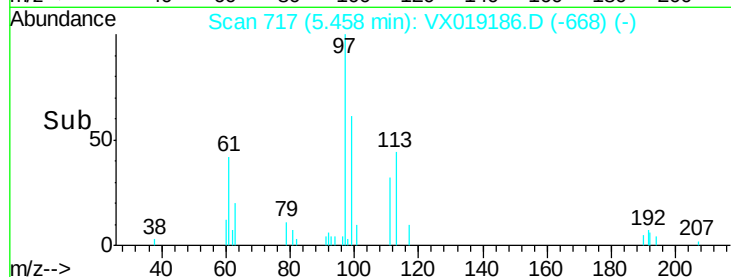
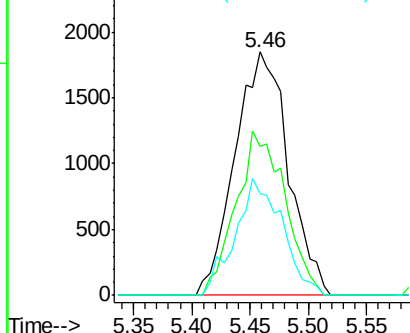
#29
1,1,1-Trichloroethane
Concen: 0.279 ug/L
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-05

Tot Ion: 97 Resp: 5888
Ion Ratio Lower Upper
97 100
99 61.9 51.8 77.8
61 42.2 34.5 51.7

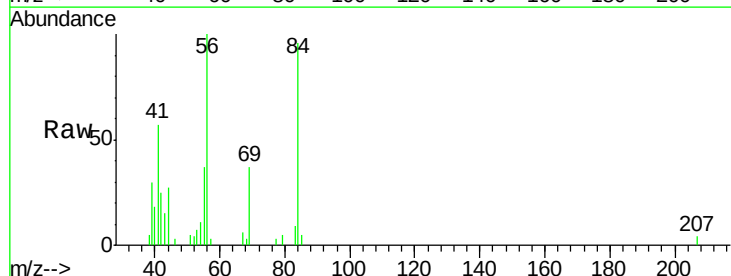


Abundance Ion 96.95 (96.65 to 97.65): VX0
Ion 99.05 (98.75 to 99.75): VX0
Ion 61.05 (60.75 to 61.75): VX0

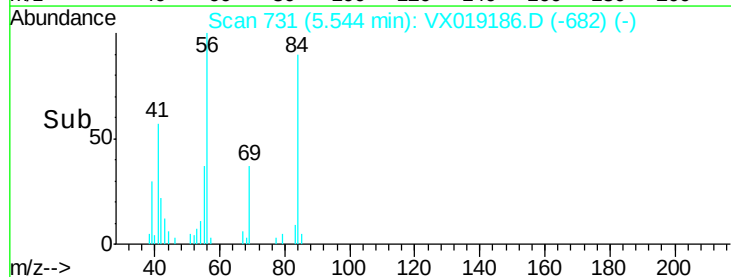
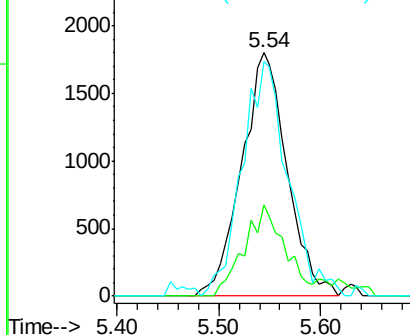


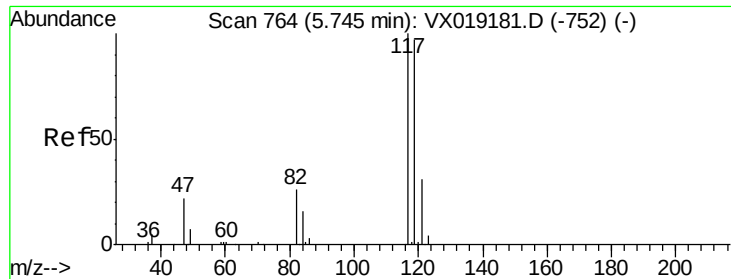
#30
Cyclohexane
Concen: 0.265 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion: 56 Resp: 5573
Ion Ratio Lower Upper
56 100
69 33.6 26.2 39.2
84 97.7 74.5 111.7



Abundance Ion 56.10 (55.80 to 56.80): VX0
Ion 69.15 (68.85 to 69.85): VX0
Ion 84.15 (83.85 to 84.85): VX0

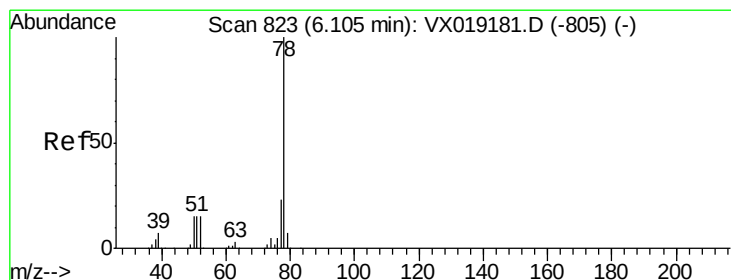
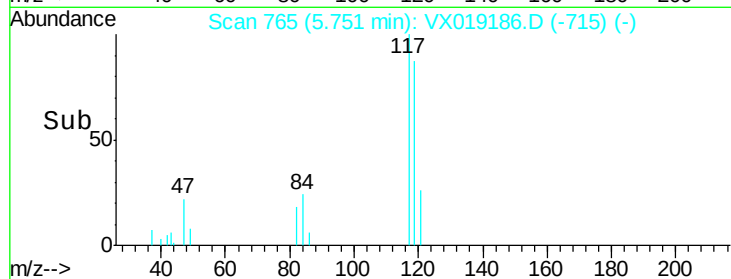
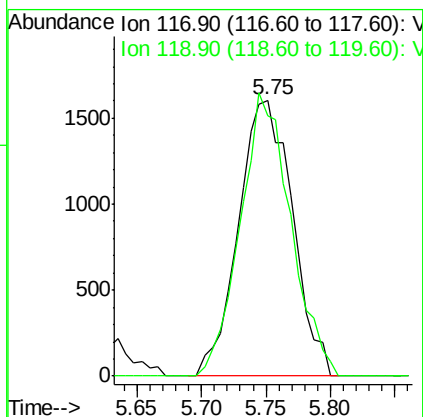
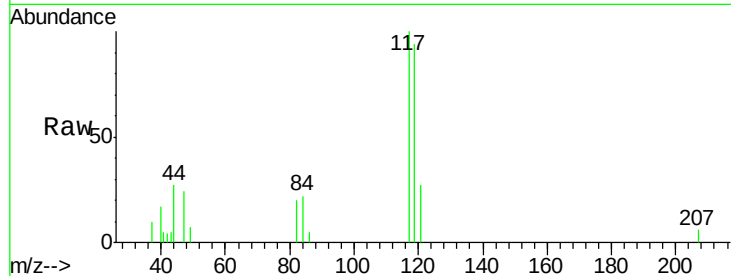




#31
Carbon tetrachloride
Concen: 0.260 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.01 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

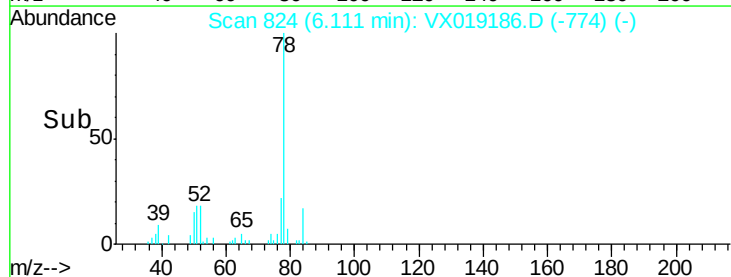
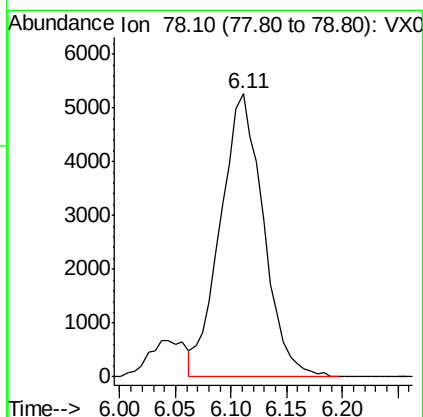
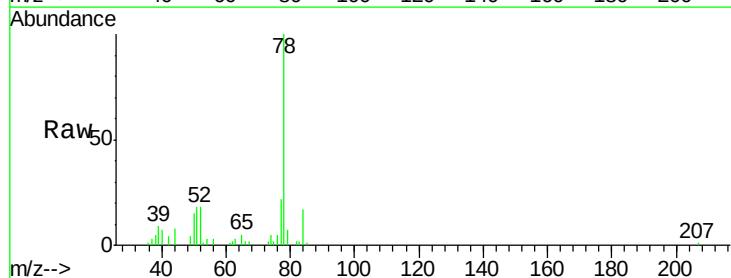
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-05

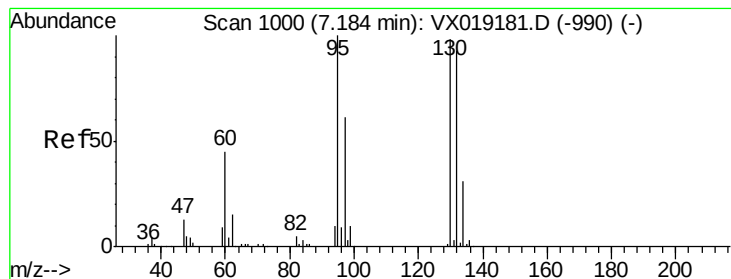
Tot Ion:117 Resp: 4669
Ion Ratio Lower Upper
117 100
119 95.7 77.3 115.9



#33
Benzene
Concen: 0.276 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion: 78 Resp: 14054





#34

Trichloroethene

Concen: 0.268 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-05

Tot Ion: 95 Resp: 3722

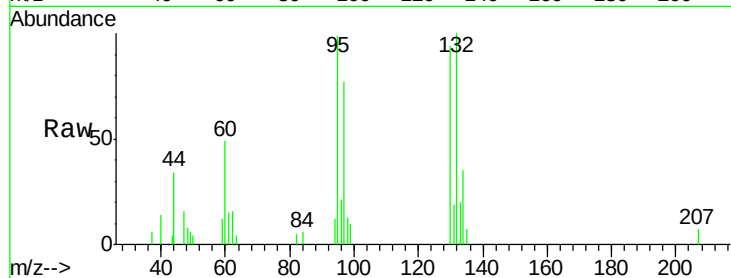
Ion Ratio Lower Upper

95 100

97 78.3 45.2 84.0

132 101.5 65.3 121.3

130 95.2 70.6 131.0

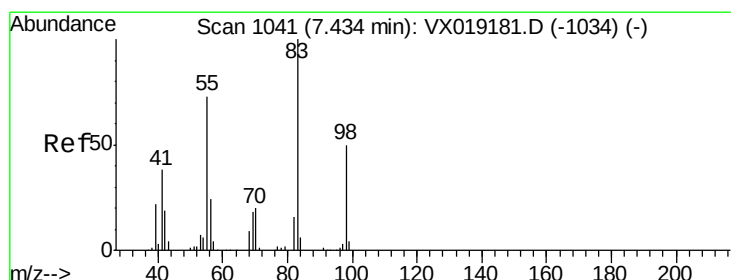
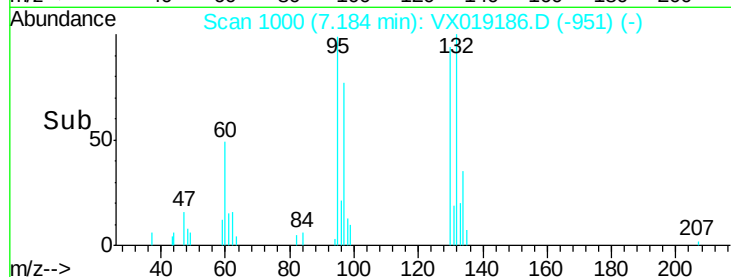
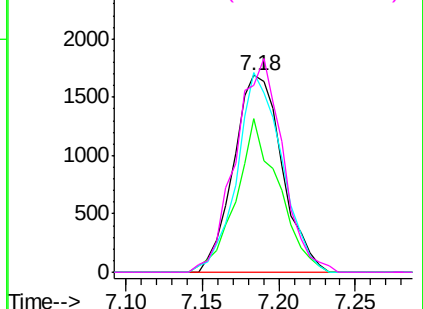


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.278 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

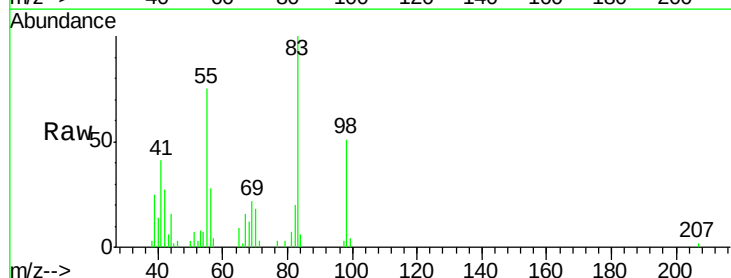
Tgt Ion: 83 Resp: 6259

Ion Ratio Lower Upper

83 100

55 74.3 58.5 87.7

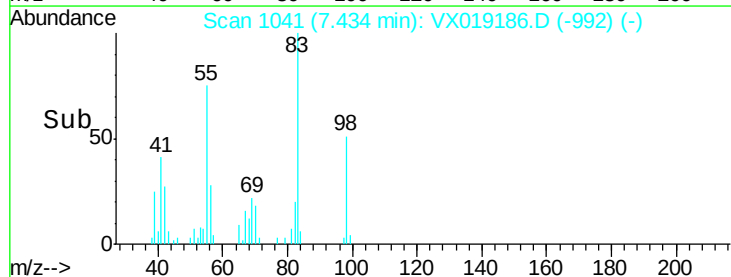
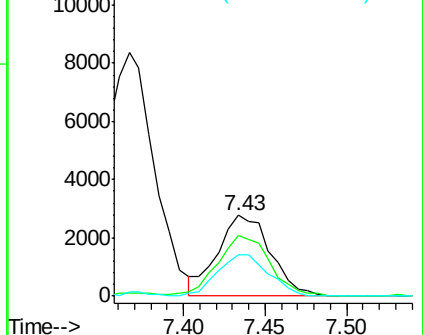
98 49.1 40.1 60.1

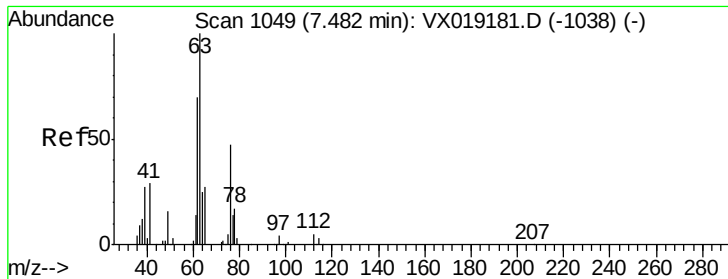


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

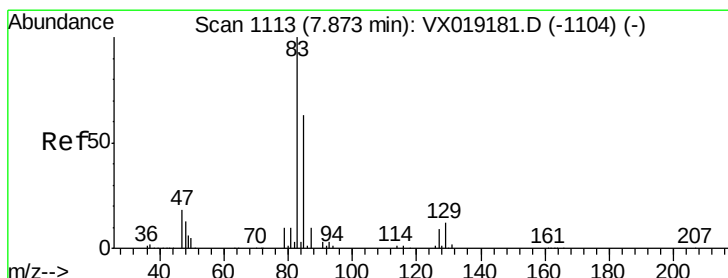
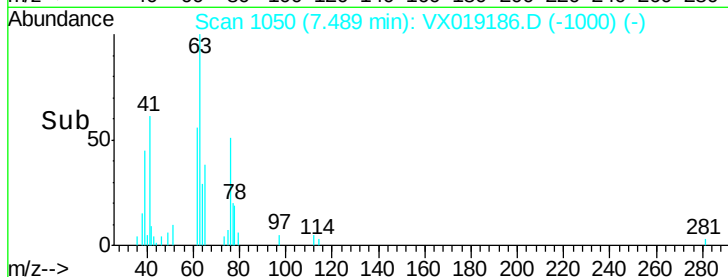
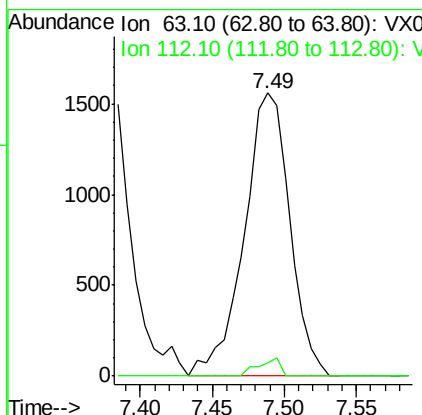
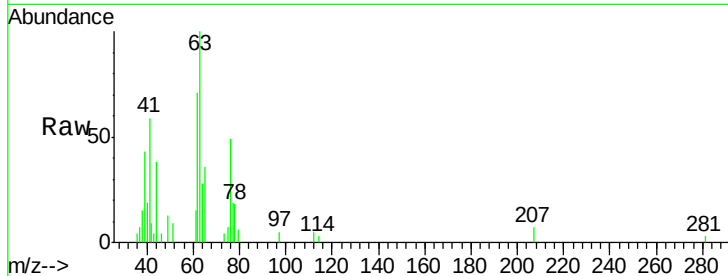




#37
 1,2-Dichloropropane
 Concen: 0.286 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

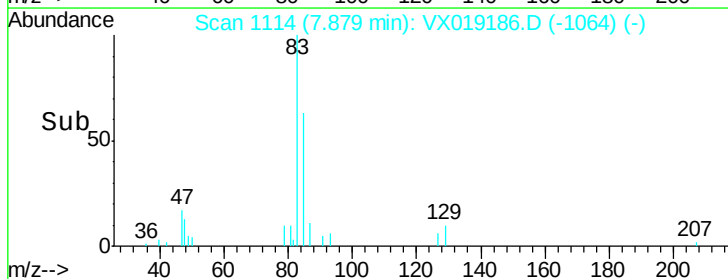
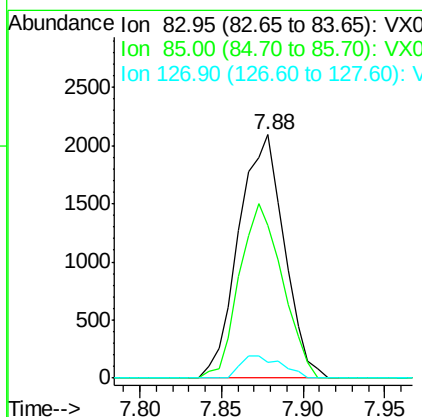
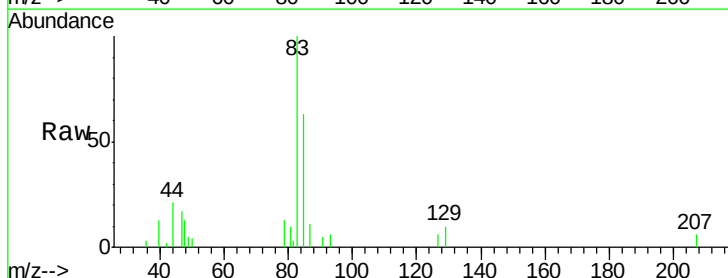
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-05

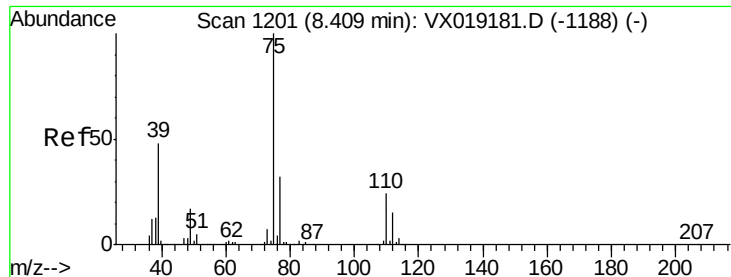
Tot Ion: 63 Resp: 3426
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.261 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Tgt Ion: 83 Resp: 4070
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.4 82.5
 127 6.4 7.2 10.8#

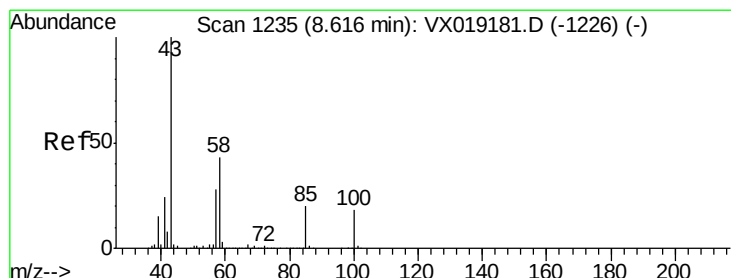
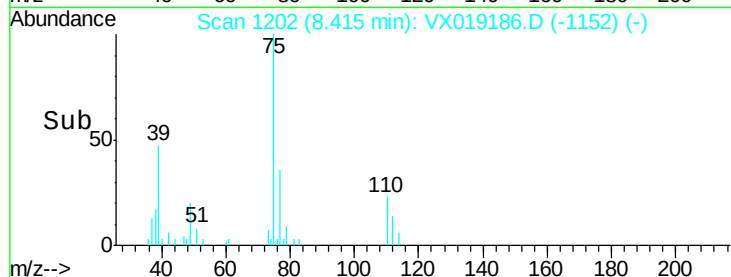
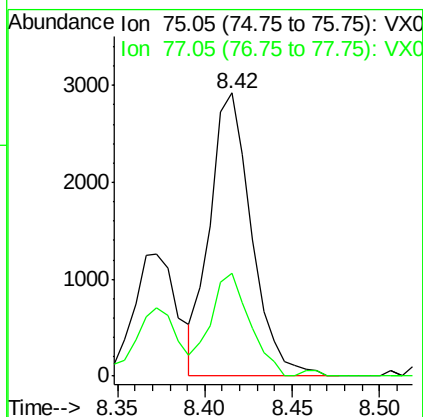
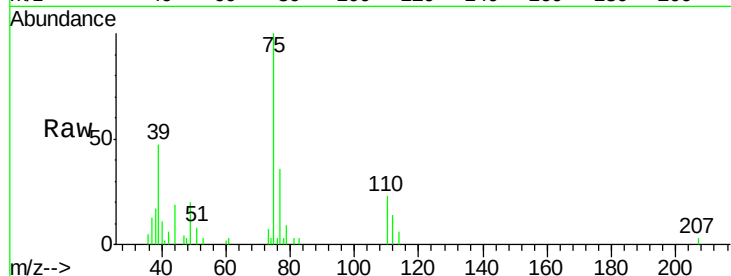




#39
 cis-1,3-Dichloropropene
 Concen: 0.263 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

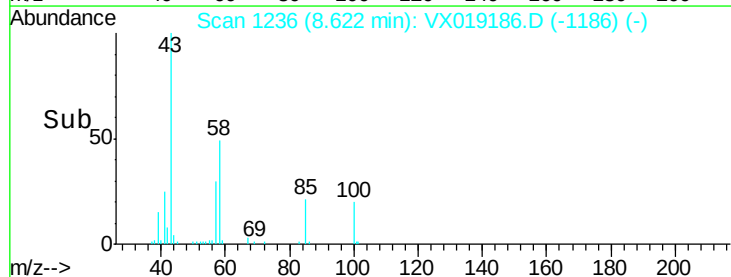
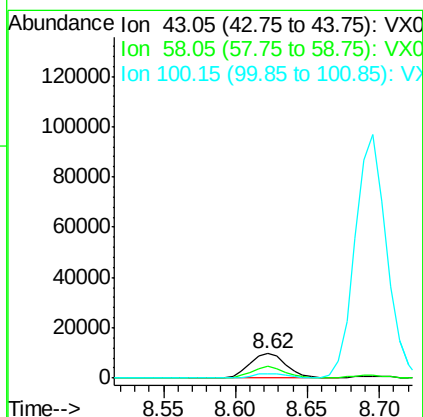
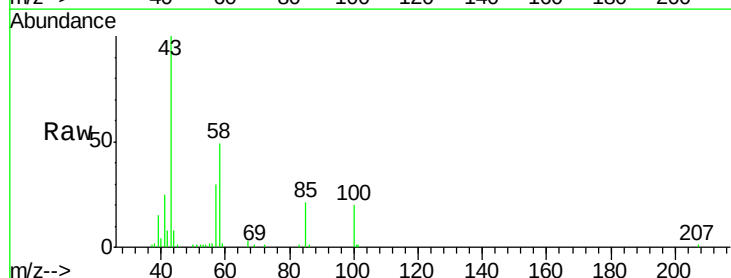
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-05

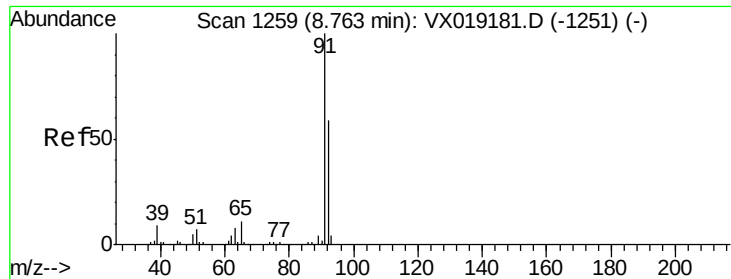
Tot Ion: 75 Resp: 4844
 Ion Ratio Lower Upper
 75 100
 77 36.5 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 2.698 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Tgt Ion: 43 Resp: 17267
 Ion Ratio Lower Upper
 43 100
 58 45.3 34.1 51.1
 100 0.0 15.0 22.4#





#42

Toluene

Concen: 0.272 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

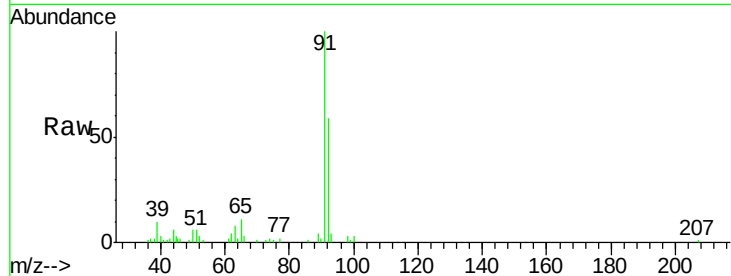
MDL-WATER-05

Tot Ion: 91 Resp: 14956

Ion Ratio Lower Upper

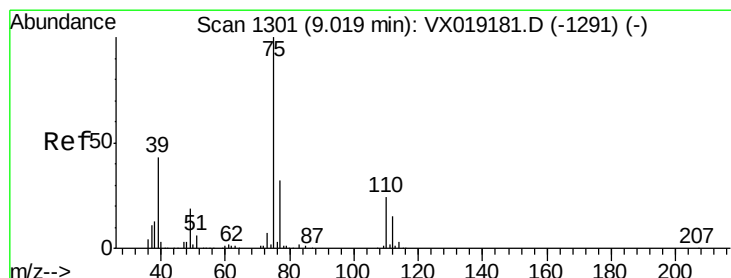
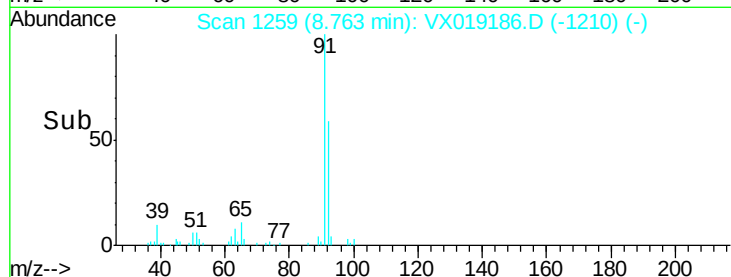
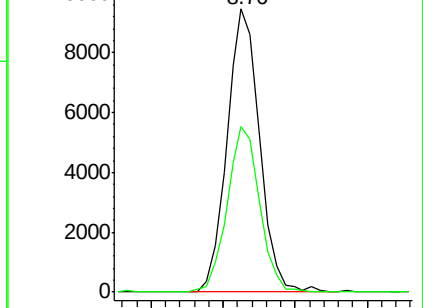
91 100

92 58.6 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#44

trans-1,3-Dichloropropene

Concen: 0.350 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019186.D

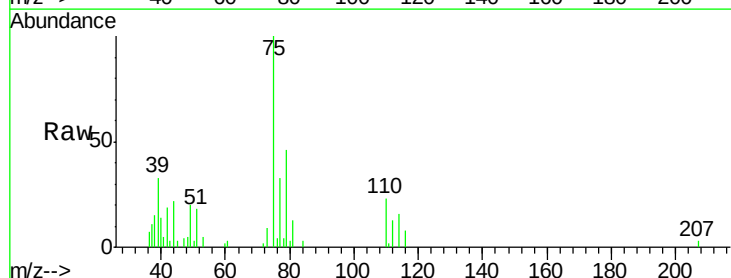
Acq: 29 Oct 2020 12:41

Tgt Ion: 75 Resp: 5395

Ion Ratio Lower Upper

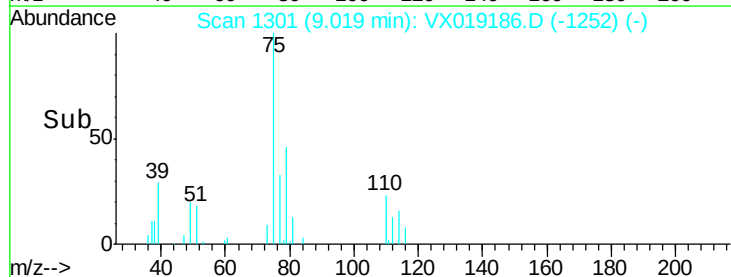
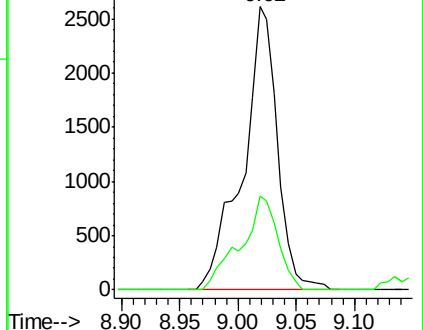
75 100

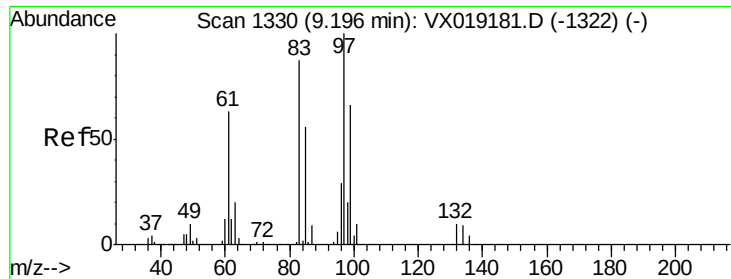
77 33.1 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

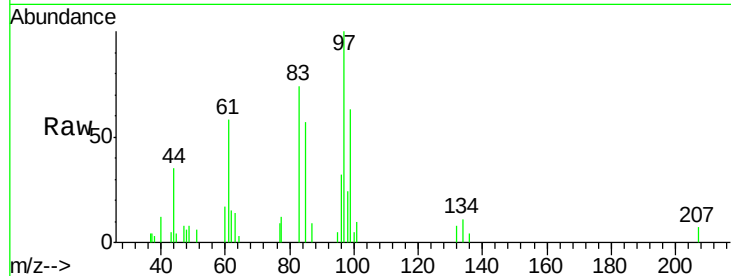




#45
 1,1,2-Trichloroethane
 Concen: 0.271 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-05

Tot Ion:	97	Resp:	2369
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.8	83.2
83	73.7	59.1	109.7
85	56.6	37.4	69.4



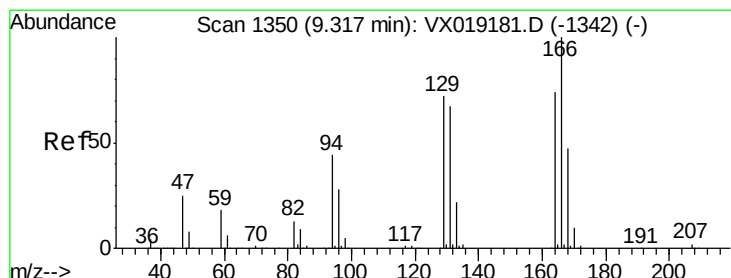
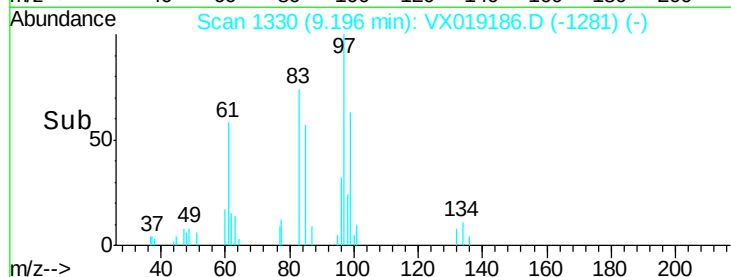
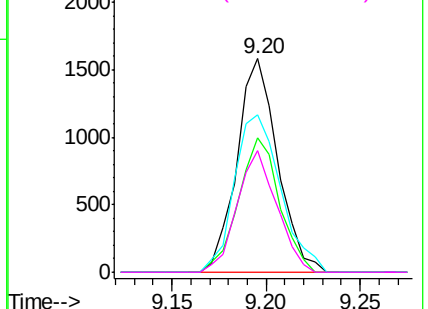
Abundance

Ion 96.95 (96.65 to 97.65): VX019186.D (-1322) (-)

Ion 99.05 (98.75 to 99.75): VX019186.D (-1322) (-)

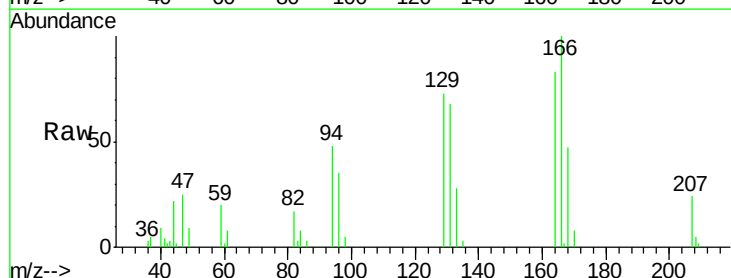
Ion 82.95 (82.65 to 83.65): VX019186.D (-1322) (-)

Ion 85.00 (84.70 to 85.70): VX019186.D (-1322) (-)



#47
 Tetrachloroethene
 Concen: 0.293 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Tgt Ion:	164	Resp:	3111
Ion	Ratio	Lower	Upper
164	100		
129	87.3	64.2	119.2
131	81.5	63.8	118.4
166	120.4	88.3	164.1



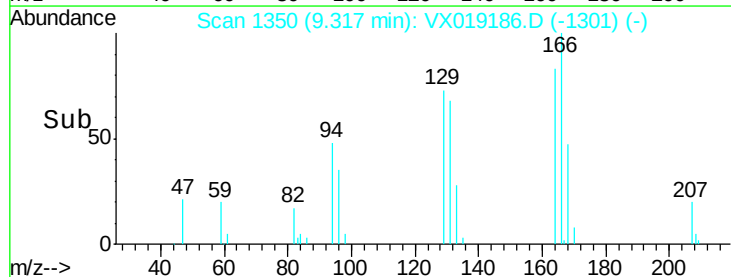
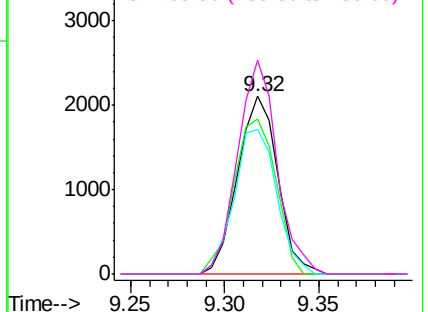
Abundance

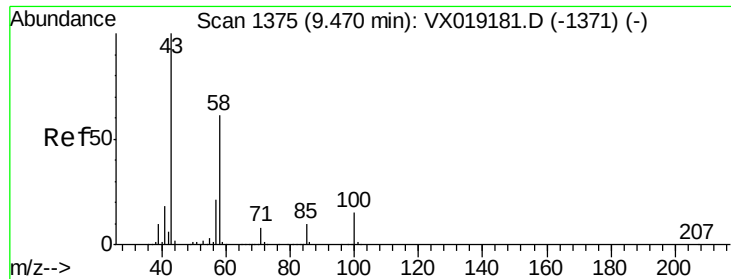
Ion 163.90 (163.60 to 164.60): VX019186.D (-1342) (-)

Ion 128.95 (128.65 to 129.65): VX019186.D (-1342) (-)

Ion 130.95 (130.65 to 131.65): VX019186.D (-1342) (-)

Ion 165.90 (165.60 to 166.60): VX019186.D (-1342) (-)

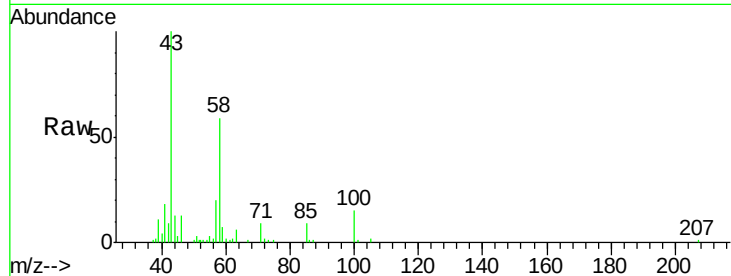




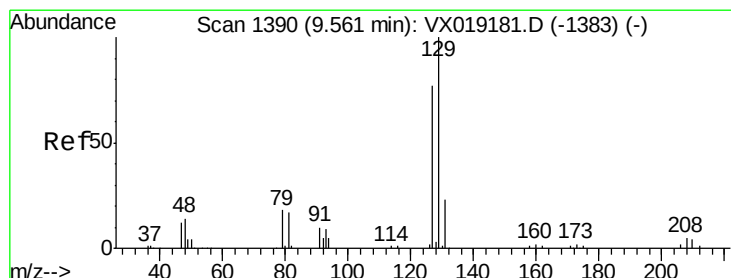
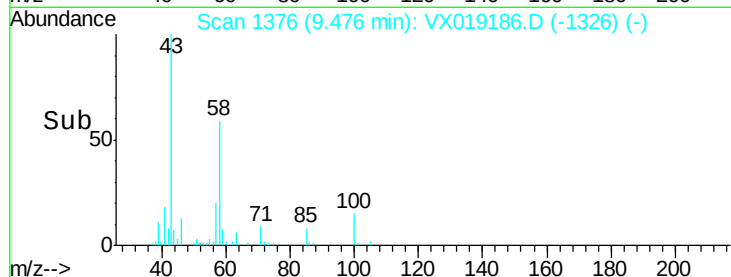
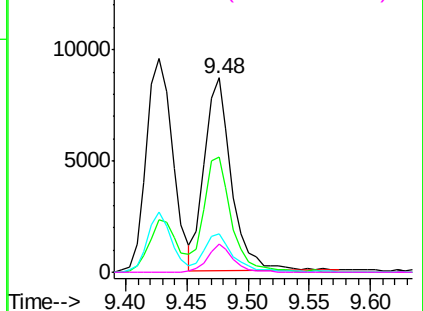
#48
2-Hexanone
Concen: 3.013 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-05

Tot Ion: 43 Resp: 13491
Ion Ratio Lower Upper
43 100
58 60.4 49.3 73.9
57 21.9 17.2 25.8
100 13.7 11.8 17.8

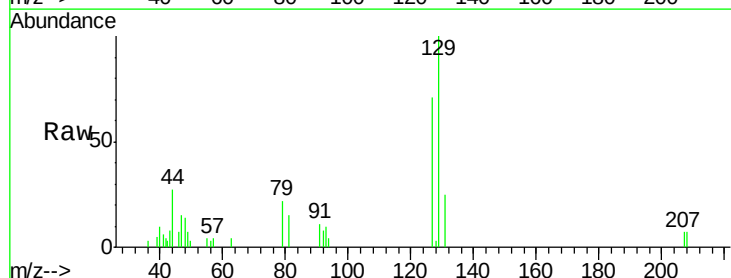


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

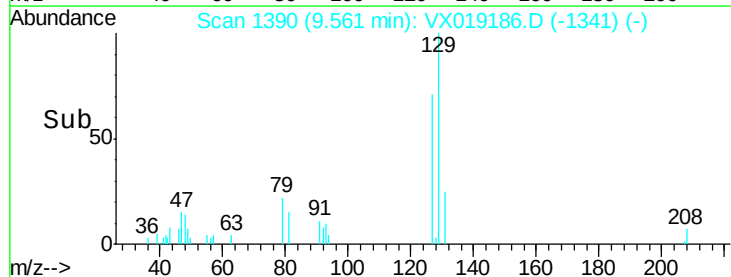
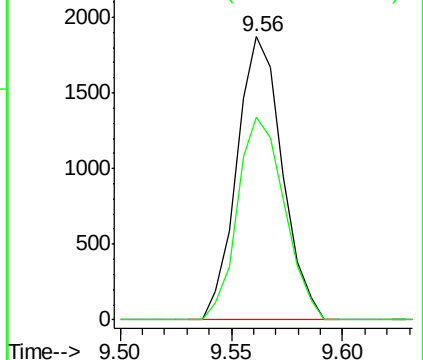


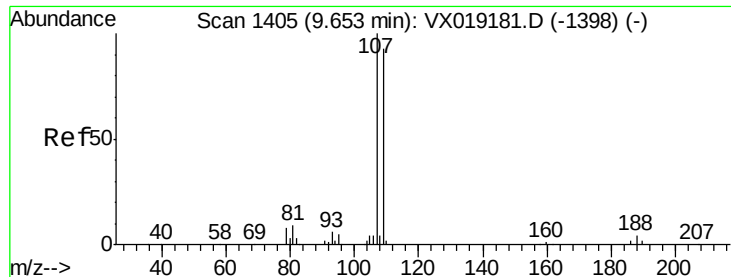
#49
Dibromochloromethane
Concen: 0.263 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion:129 Resp: 2663
Ion Ratio Lower Upper
129 100
127 71.5 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

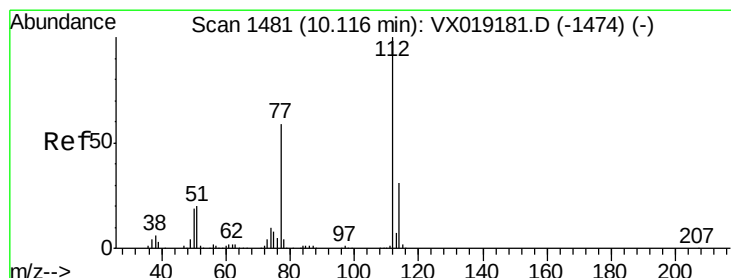
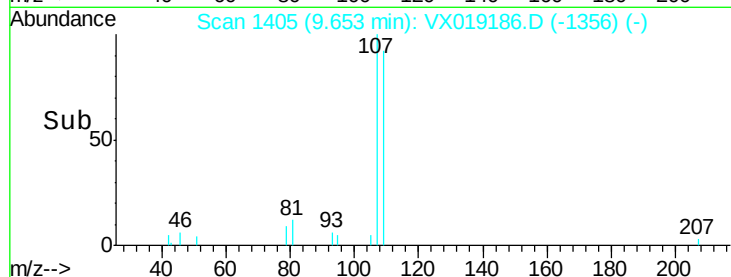
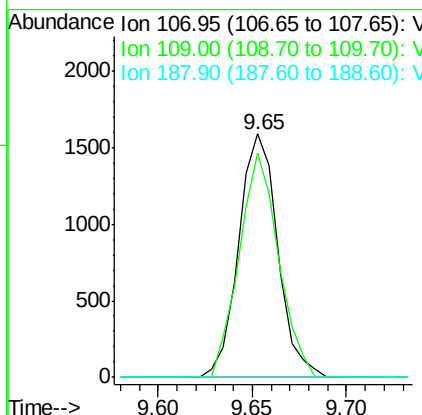
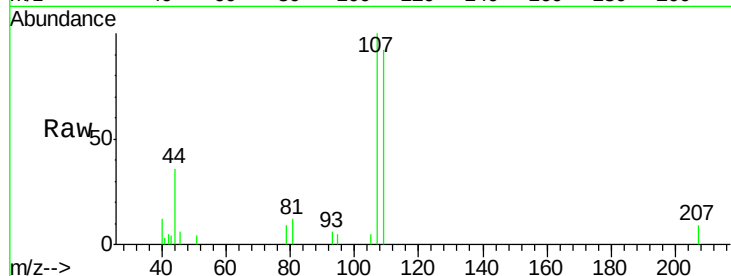




#50
 1,2-Dibromoethane
 Concen: 0.281 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

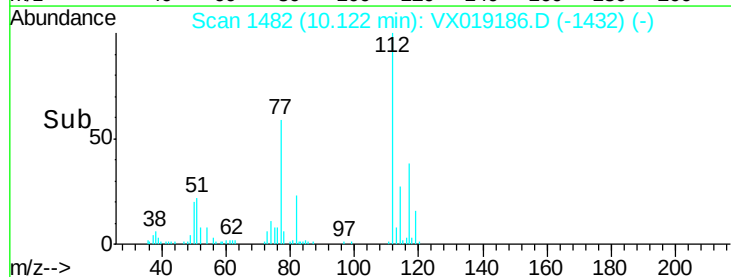
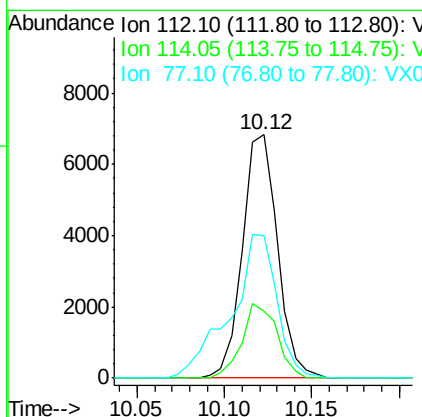
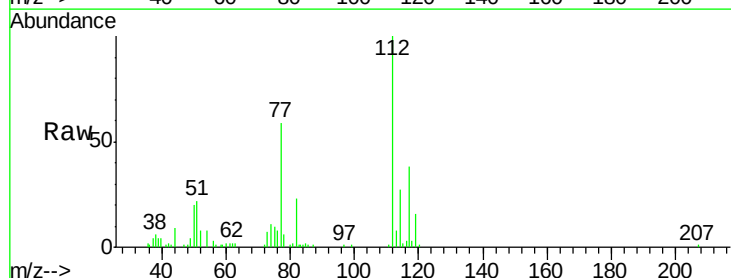
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-05

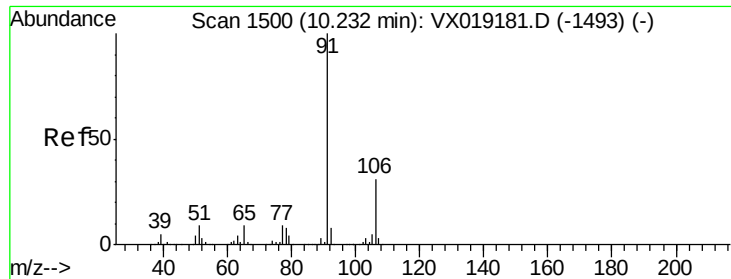
Tot Ion:107 Resp: 2278
 Ion Ratio Lower Upper
 107 100
 109 92.3 62.9 116.9
 188 0.0 3.0 4.4#



#51
 Chlorobenzene
 Concen: 0.274 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Tgt Ion:112 Resp: 9535
 Ion Ratio Lower Upper
 112 100
 114 27.4 22.5 41.9
 77 58.5 46.2 69.2





#52

Ethylbenzene

Concen: 0.260 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampled :

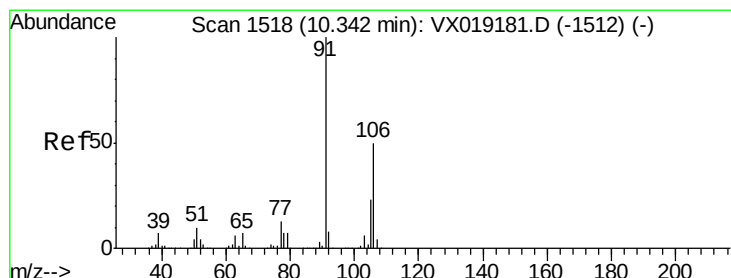
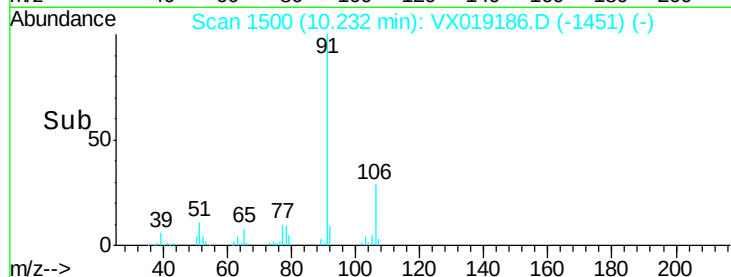
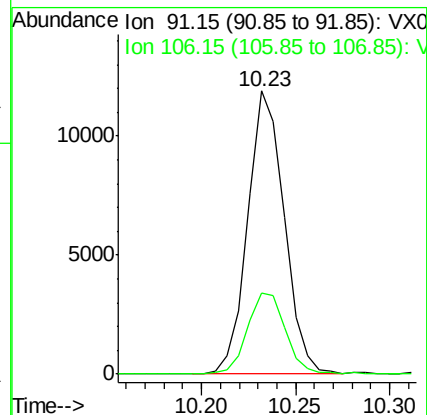
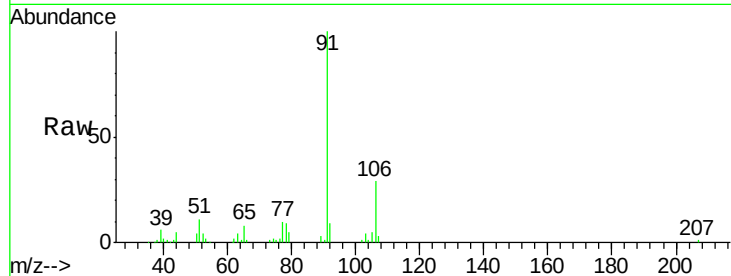
MDL-WATER-05

Tot Ion: 91 Resp: 15984

Ion Ratio Lower Upper

91 100

106 28.7 21.1 39.1



#53

m,p-xylene

Concen: 0.247 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019186.D

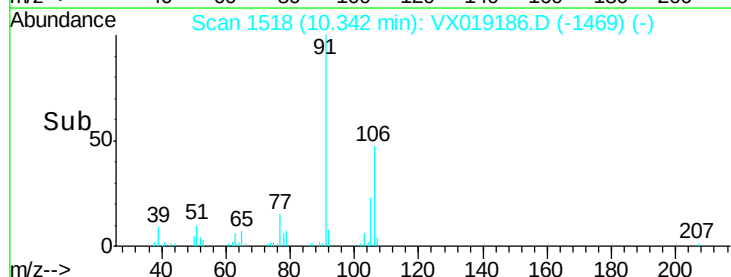
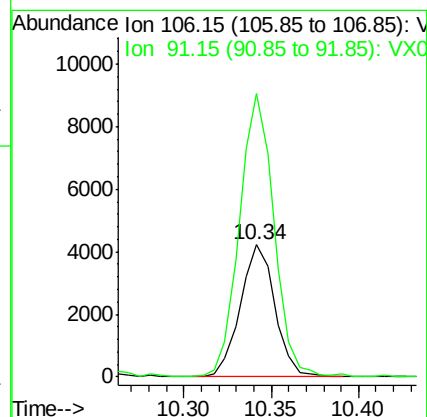
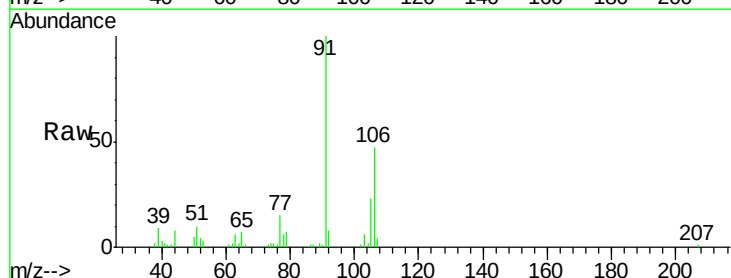
Acq: 29 Oct 2020 12:41

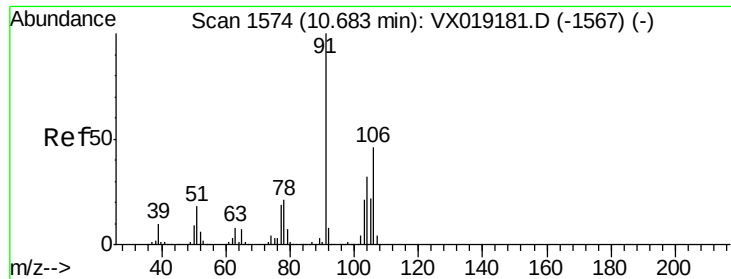
Tgt Ion: 106 Resp: 5834

Ion Ratio Lower Upper

106 100

91 214.5 141.5 262.7





#54

o-xylene

Concen: 0.254 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

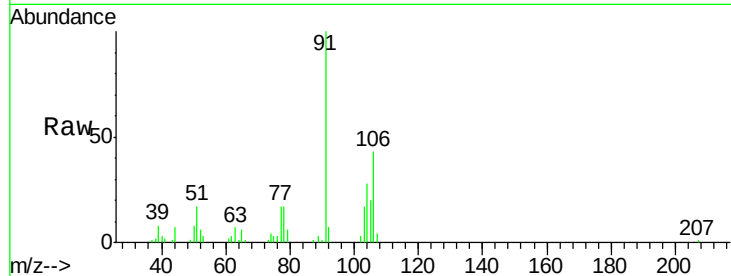
MDL-WATER-05

Tot Ion:106 Resp: 5727

Ion Ratio Lower Upper

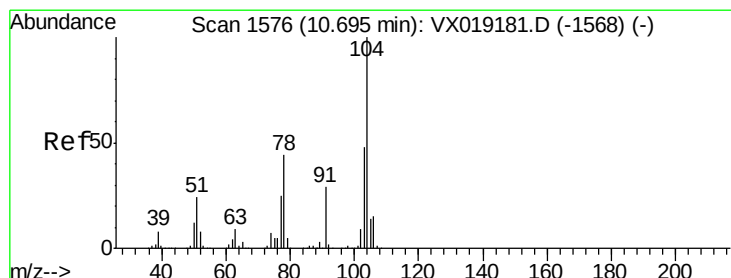
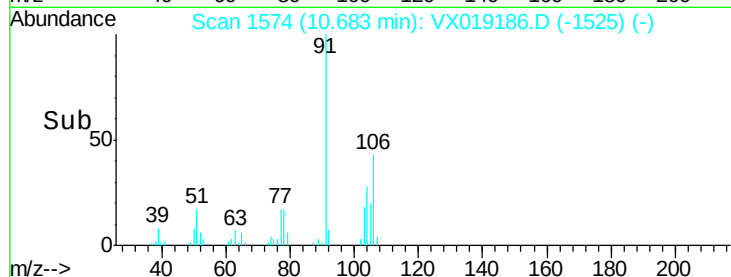
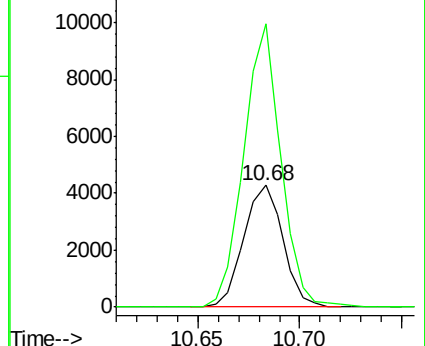
106 100

91 232.2 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 0.249 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019186.D

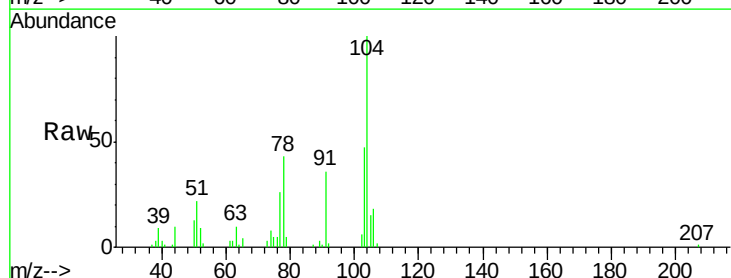
Acq: 29 Oct 2020 12:41

Tgt Ion:104 Resp: 9201

Ion Ratio Lower Upper

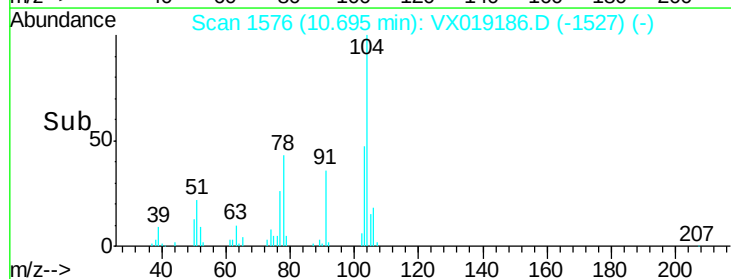
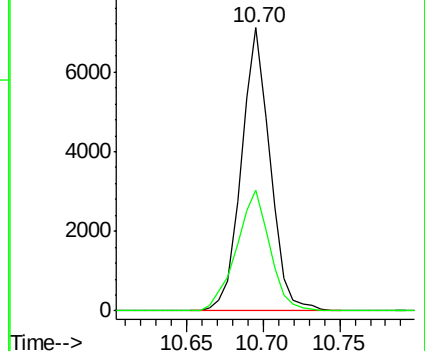
104 100

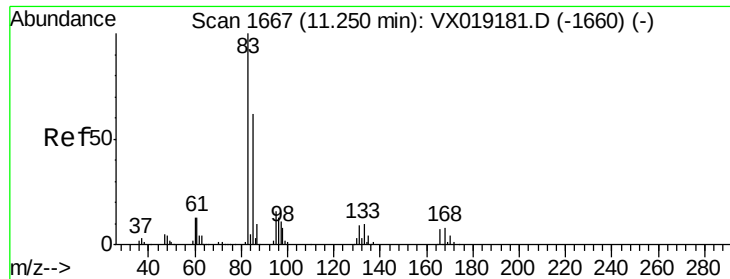
78 42.6 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0

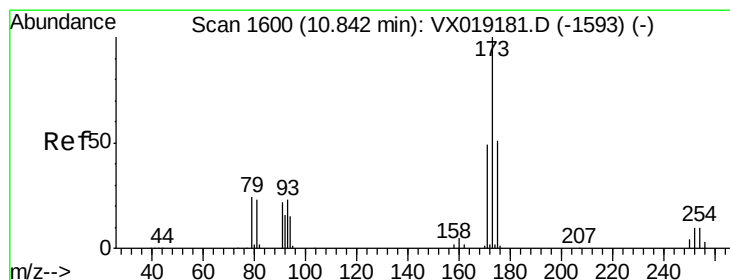
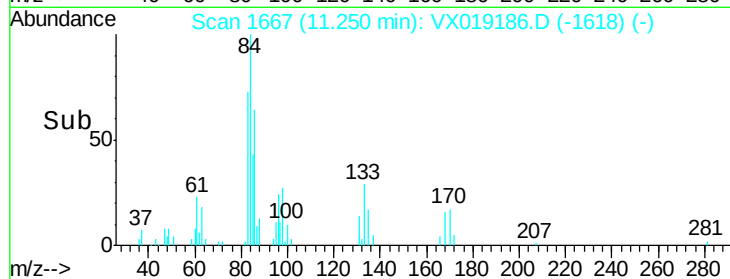
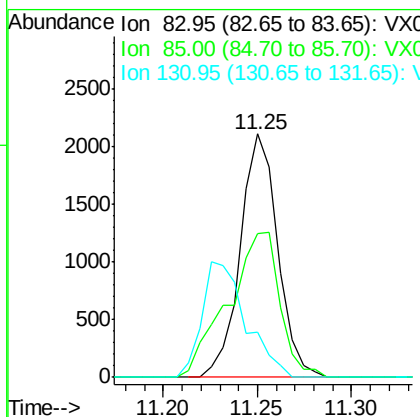
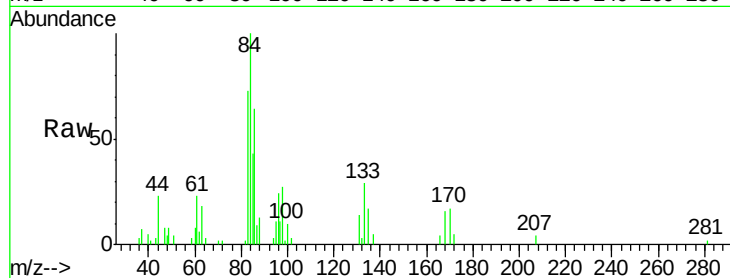




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.292 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

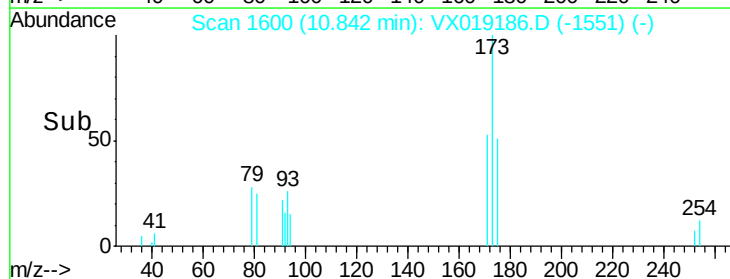
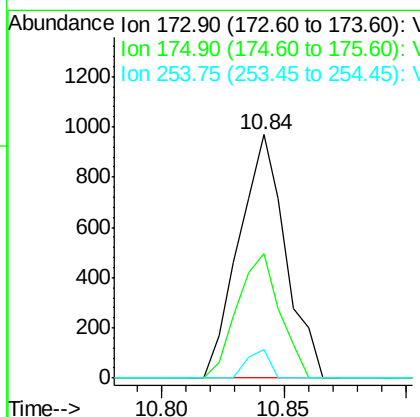
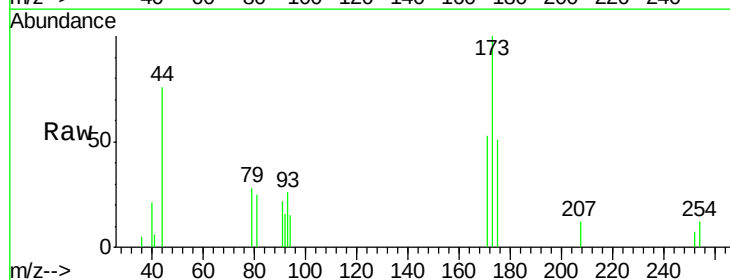
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-05

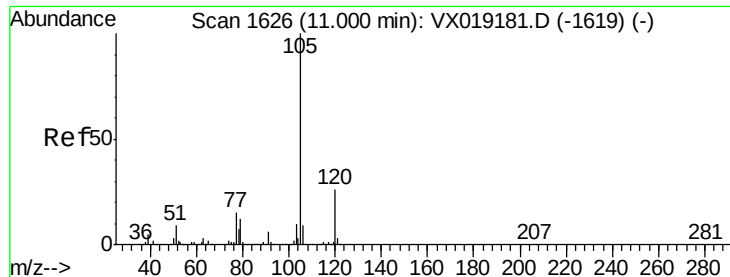
Tot Ion: 83 Resp: 2912
 Ion Ratio Lower Upper
 83 100
 85 59.2 46.0 85.4
 131 18.8 7.7 11.5#



#59
 Bromoform
 Concen: 0.237 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Tgt Ion: 173 Resp: 1282
 Ion Ratio Lower Upper
 173 100
 175 46.8 38.6 57.8
 254 5.6 7.4 11.0#





#60

Isopropylbenzene

Concen: 0.245 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-05

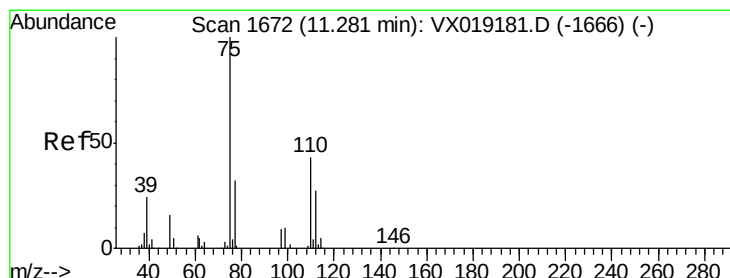
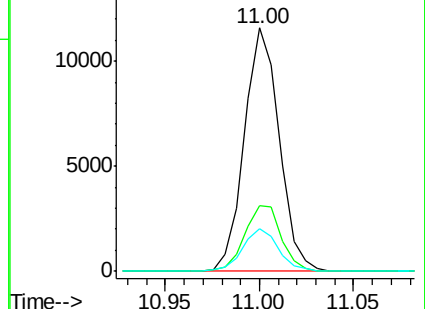
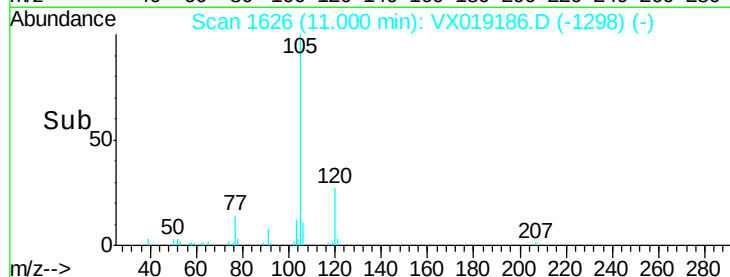
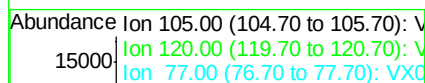
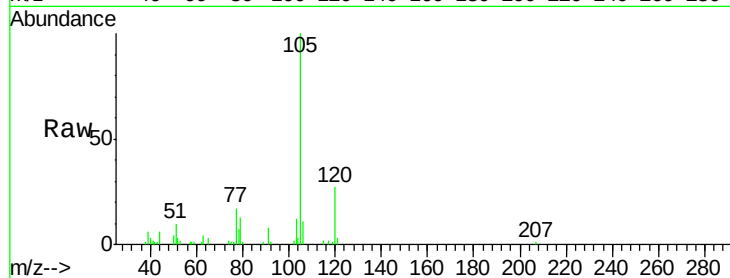
Tot Ion:105 Resp: 14879

Ion Ratio Lower Upper

105 100

120 28.0 21.4 32.2

77 17.7 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 0.280 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

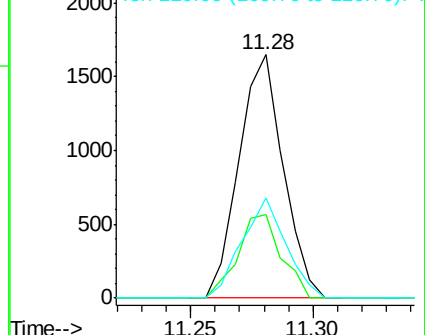
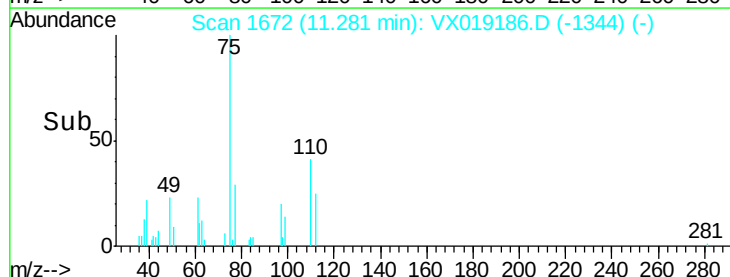
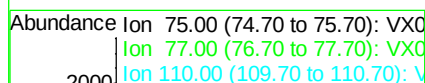
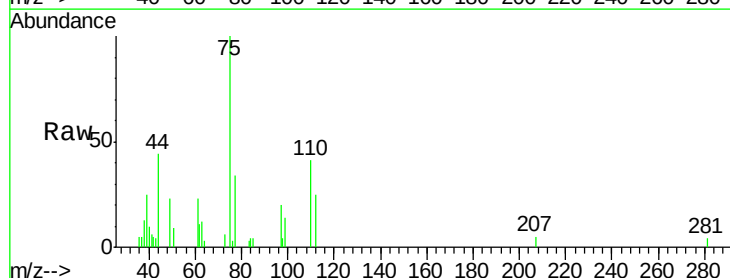
Tgt Ion: 75 Resp: 2075

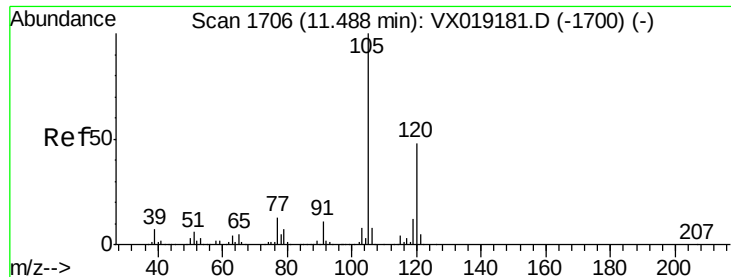
Ion Ratio Lower Upper

75 100

77 33.6 25.6 38.4

110 41.3 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 0.250 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019186.D

Acq: 29 Oct 2020 12:41

Instrument :

MSVOA_X

ClientSampled :

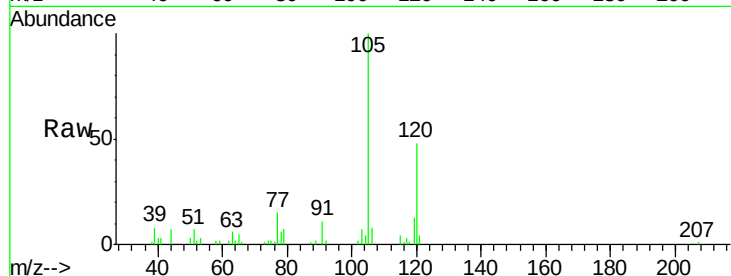
MDL-WATER-05

Tot Ion:105 Resp: 12685

Ion Ratio Lower Upper

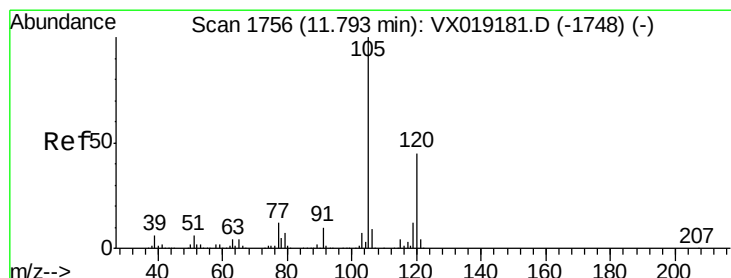
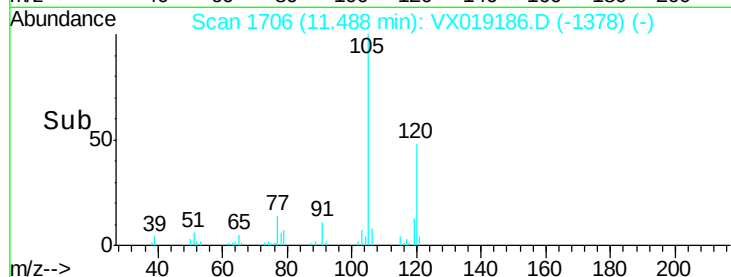
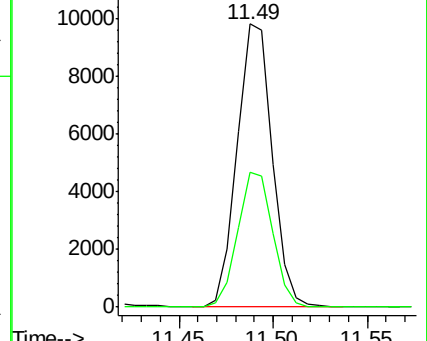
105 100

120 47.3 38.9 58.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.237 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019186.D

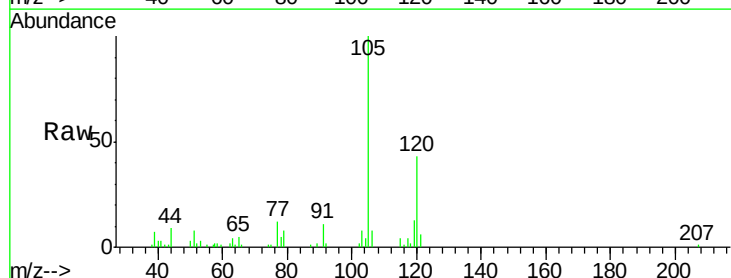
Acq: 29 Oct 2020 12:41

Tgt Ion:105 Resp: 12214

Ion Ratio Lower Upper

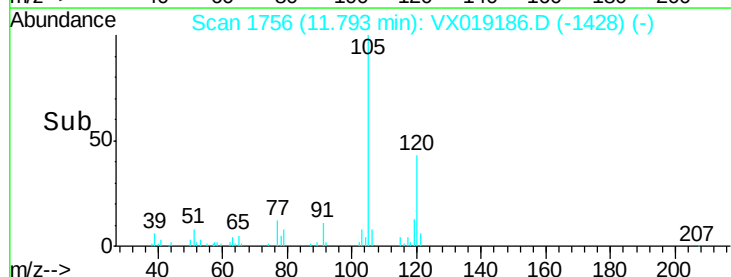
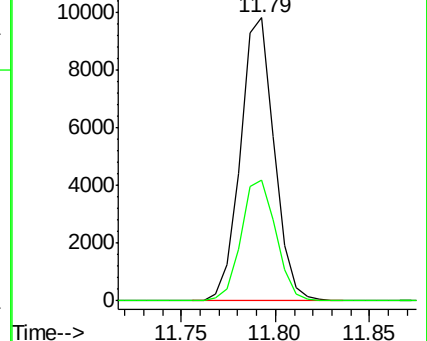
105 100

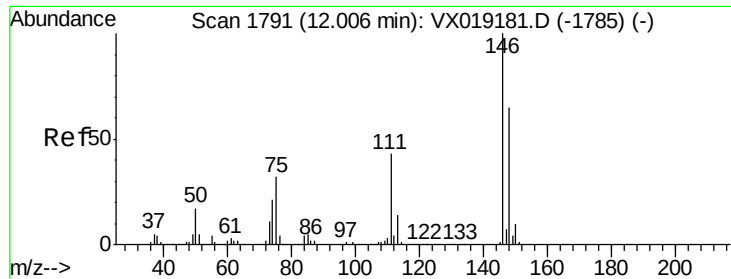
120 44.1 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

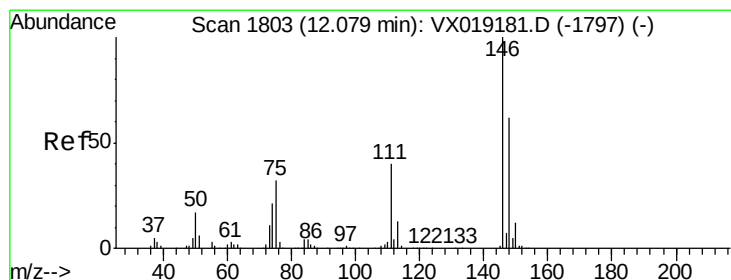
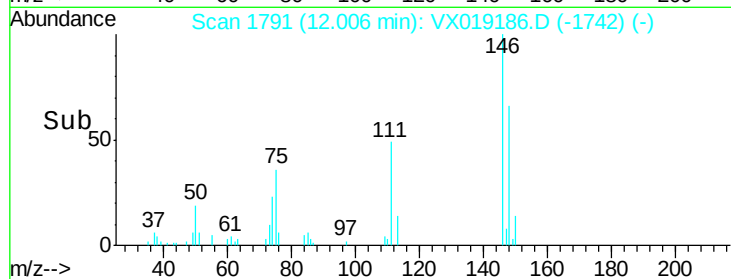
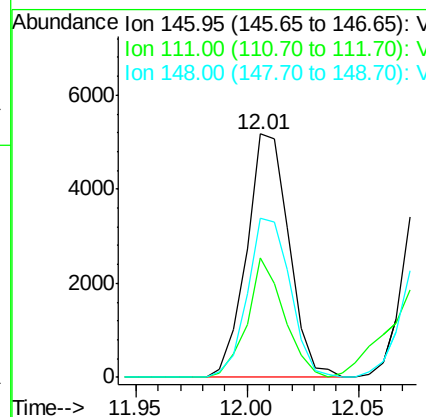
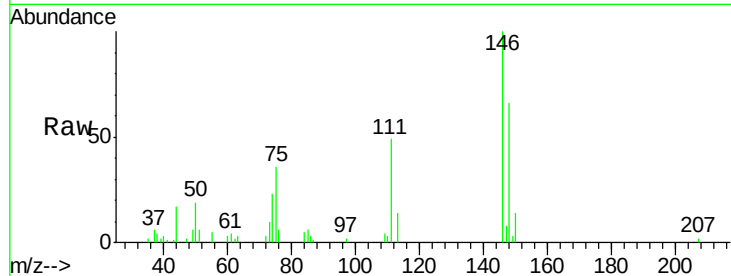




#64
 1,3-Dichlorobenzene
 Concen: 0.254 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

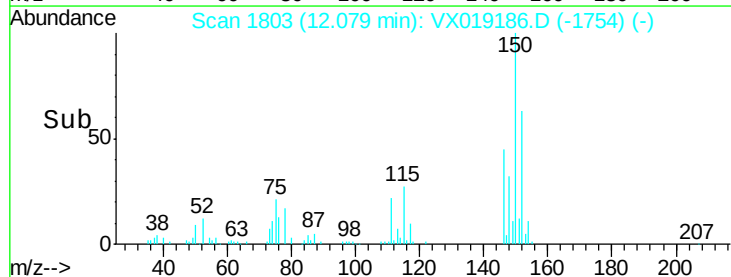
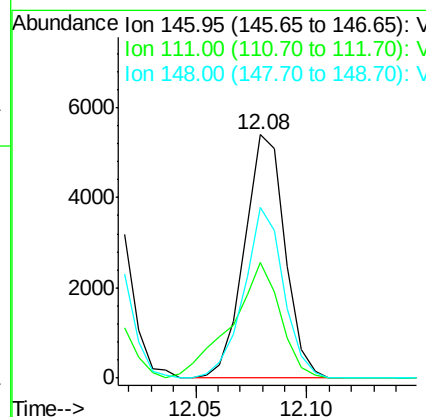
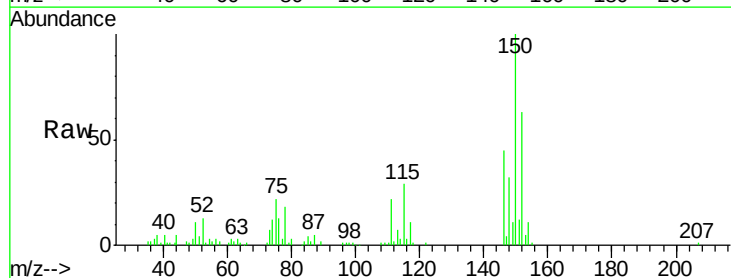
Instrument :
 MSVOA_X
 ClientSampled :
 MDL-WATER-05

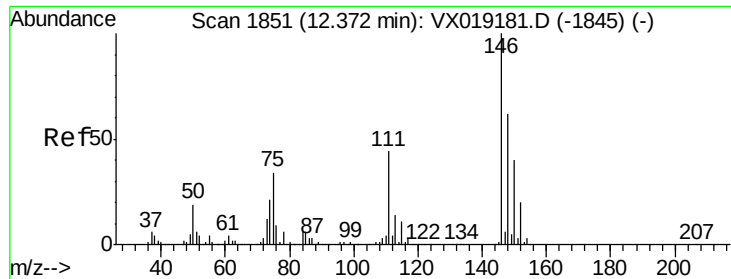
Tot Ion:146 Resp: 6856
 Ion Ratio Lower Upper
 146 100
 111 49.0 27.3 50.7
 148 65.6 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 0.255 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Tgt Ion:146 Resp: 6857
 Ion Ratio Lower Upper
 146 100
 111 47.6 28.1 52.3
 148 70.3 44.5 82.7

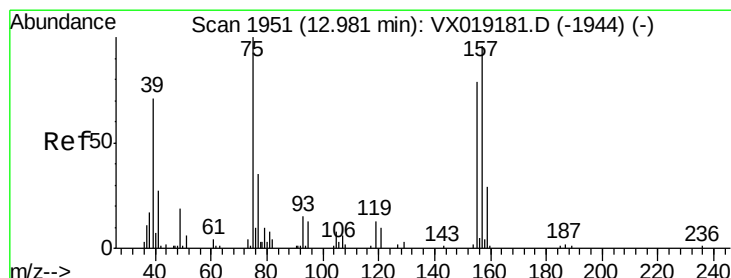
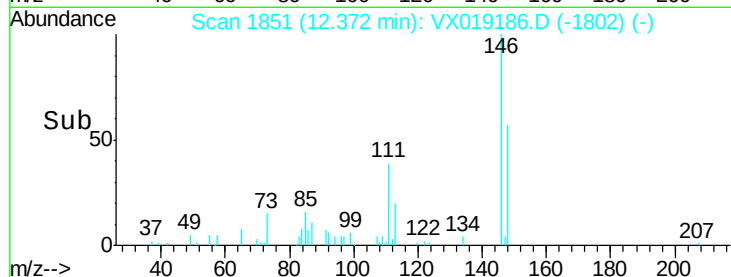
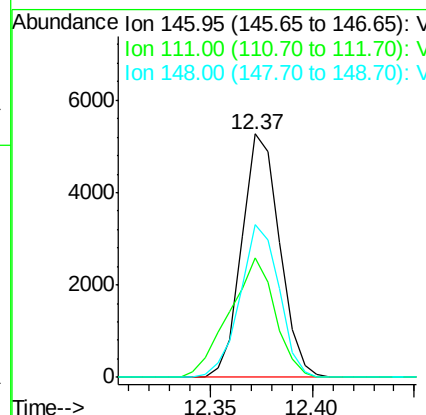
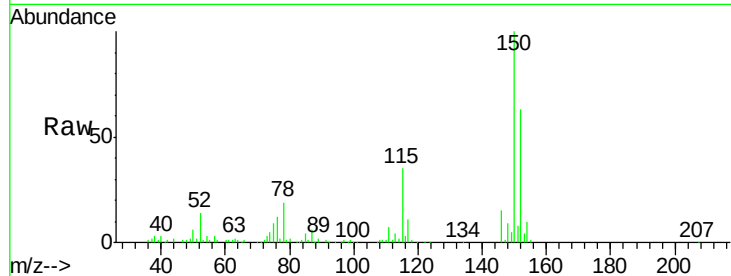




#67
 1,2-Dichlorobenzene
 Concen: 0.273 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

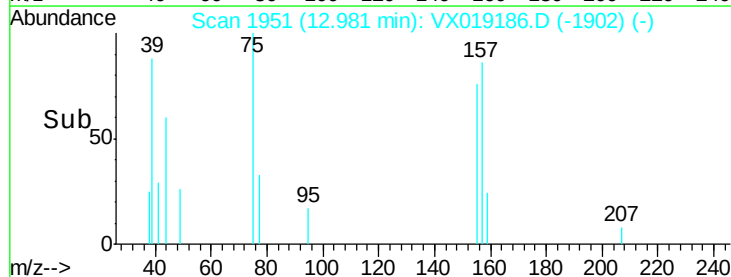
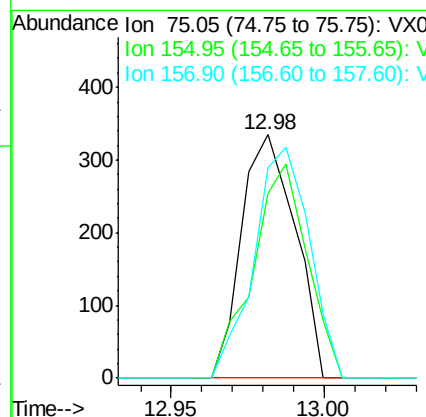
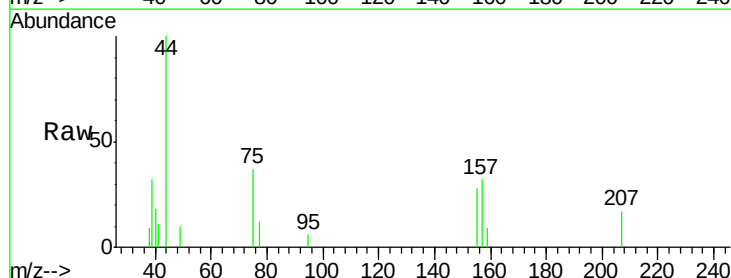
Instrument :
 MSVOA_X
 ClientSampled :
 MDL-WATER-05

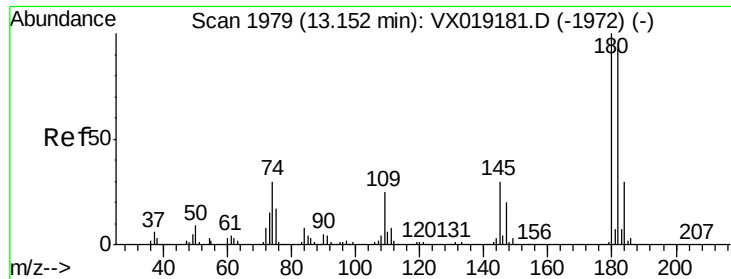
Tot Ion:146 Resp: 6769
 Ion Ratio Lower Upper
 146 100
 111 48.9 32.6 49.0
 148 62.9 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.240 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Tgt Ion: 75 Resp: 406
 Ion Ratio Lower Upper
 75 100
 155 76.1 62.9 94.3
 157 86.3 77.5 116.3

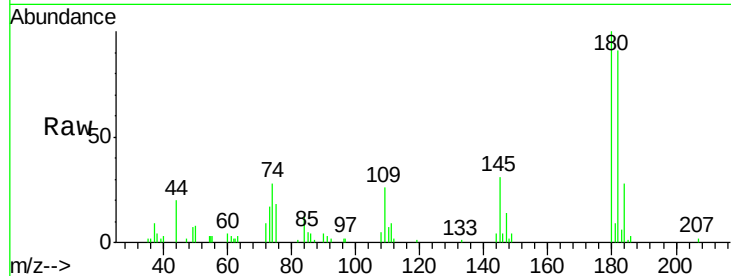




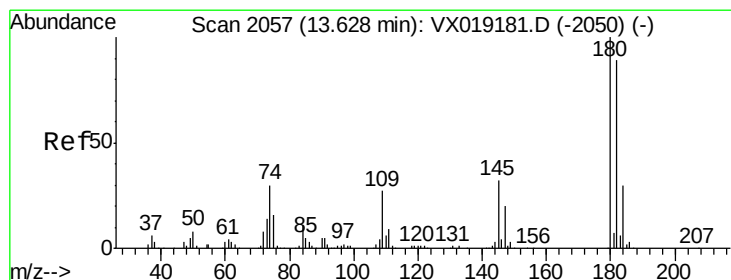
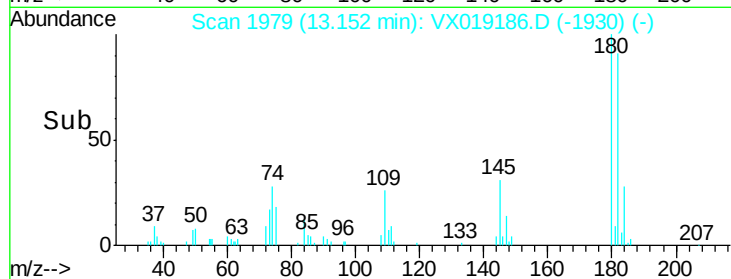
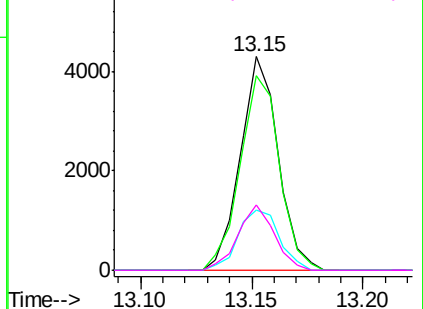
#69
 1,3,5-Trichlorobenzene
 Concen: 0.257 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-05

Tot Ion:180 Resp: 5088
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.1 111.1
 184 31.1 24.4 36.6
 145 29.4 24.9 37.3

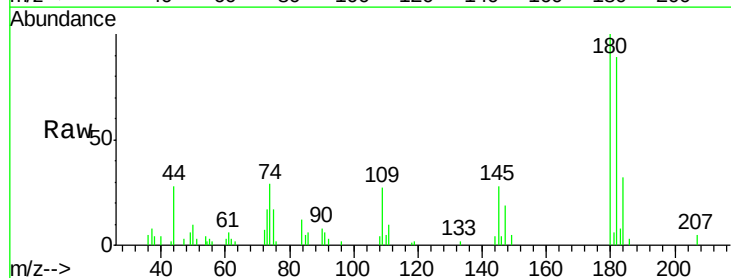


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

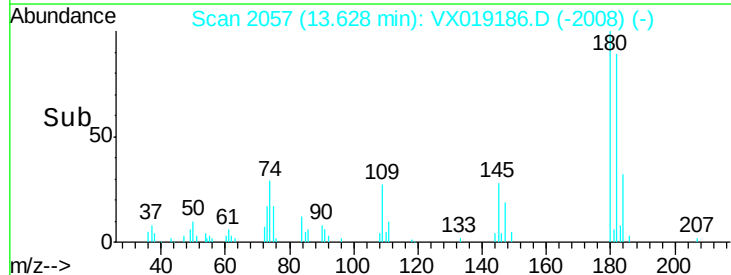
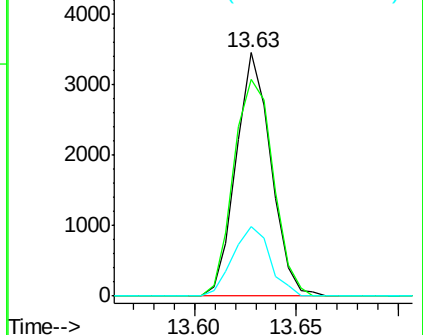


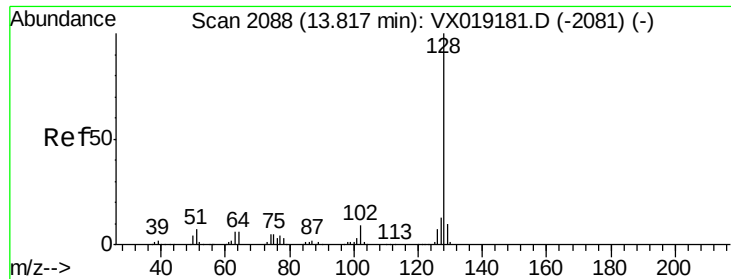
#70
 1,2,4-trichlorobenzene
 Concen: 0.238 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019186.D
 Acq: 29 Oct 2020 12:41

Tgt Ion:180 Resp: 4102
 Ion Ratio Lower Upper
 180 100
 182 101.1 77.8 116.6
 145 30.4 25.0 37.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

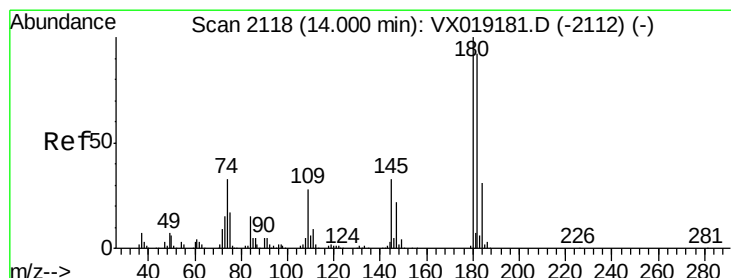
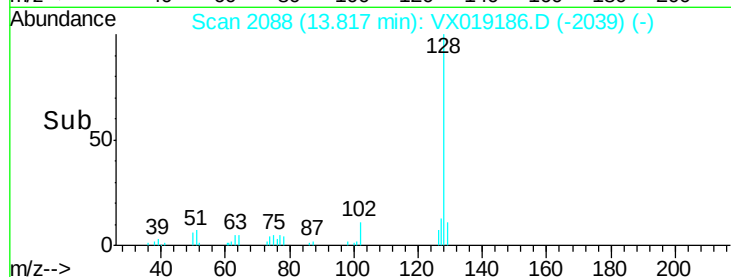
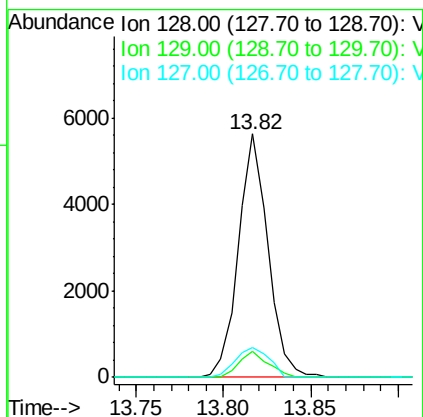
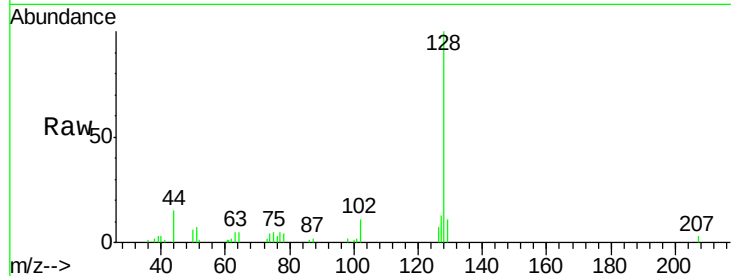




#71
Naphthalene
Concen: 0.213 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-05

Tot Ion:128 Resp: 6624
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 14.1 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 0.248 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019186.D
Acq: 29 Oct 2020 12:41

Tgt Ion:180 Resp: 3781
Ion Ratio Lower Upper
180 100
182 89.8 77.0 115.4
145 37.1 27.8 41.6

